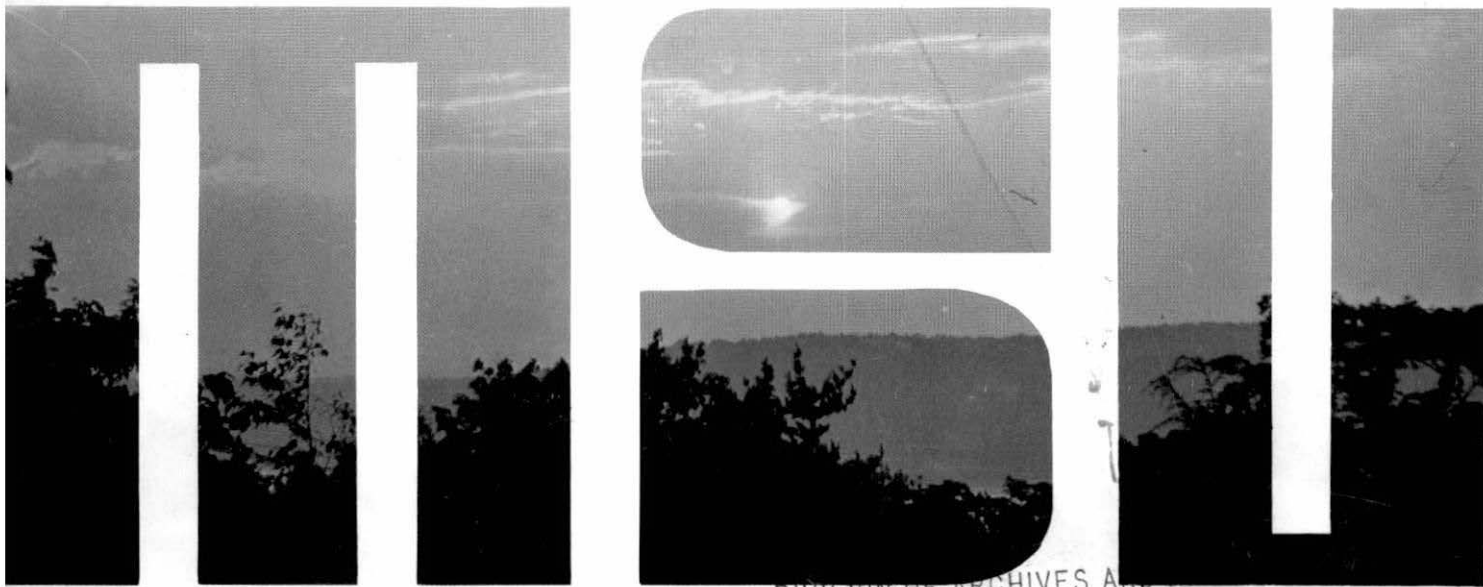
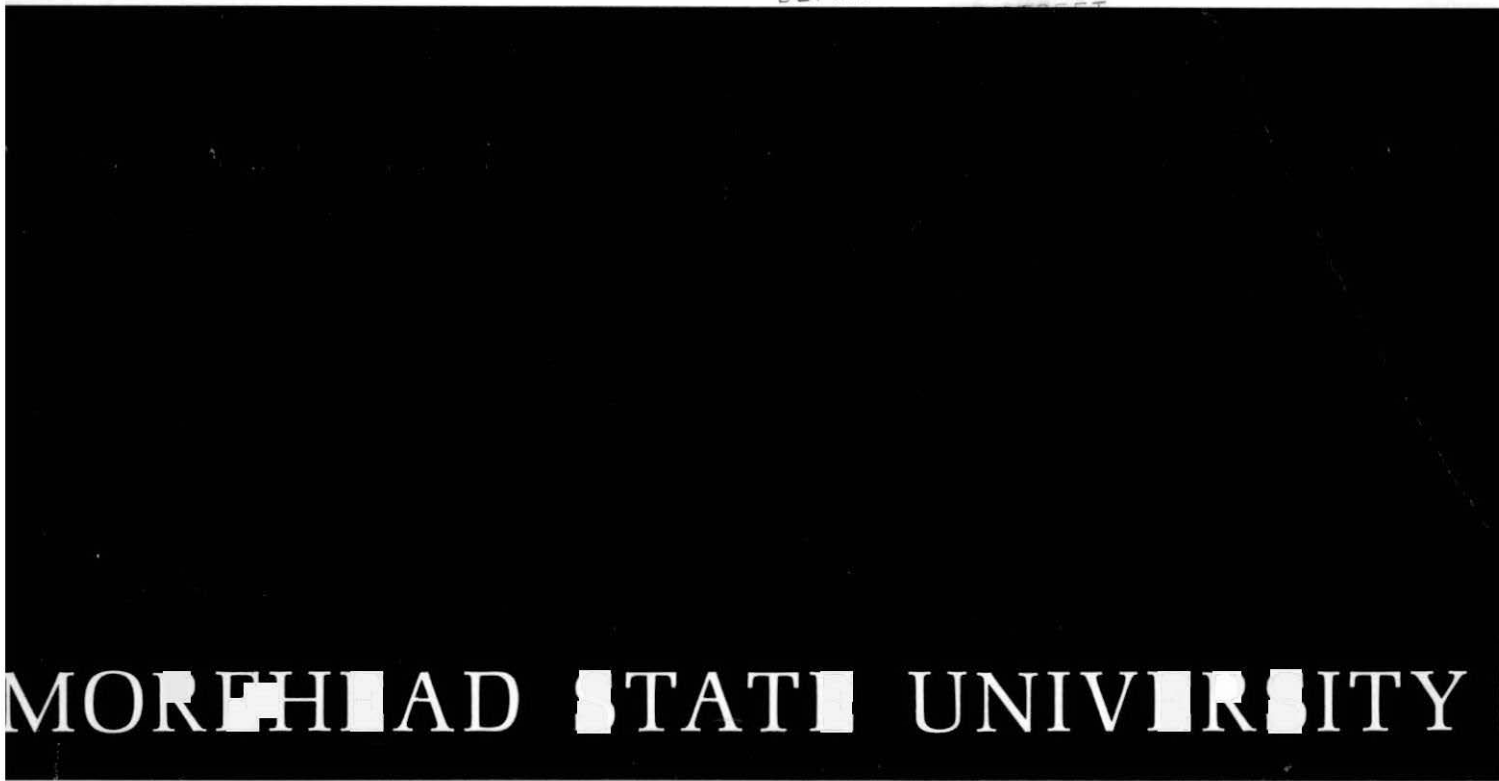


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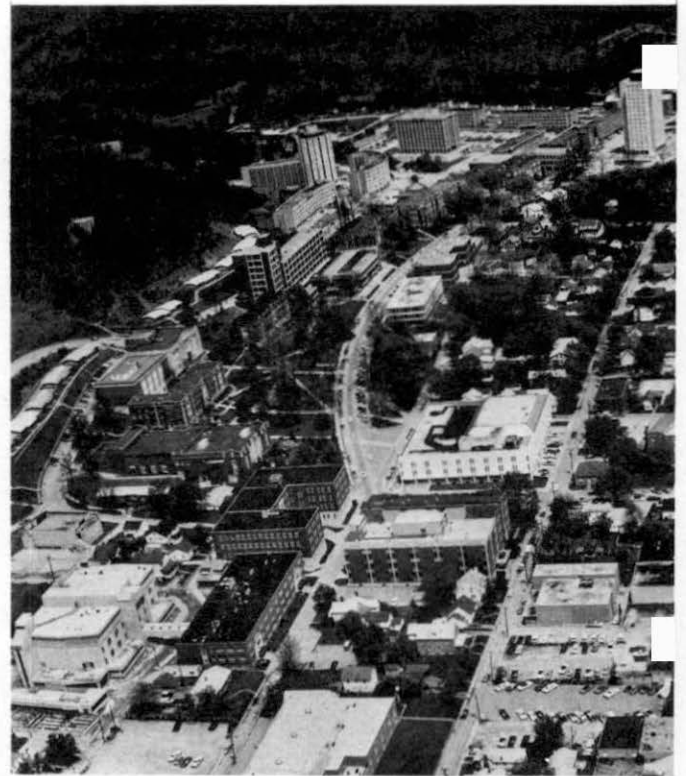


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MOREHEAD STATE UNIVERSITY

MOREHEAD STATE UNIVERSITY



GENERAL CATALOG 1973-1975

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**BULLETIN of
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Morehead, Kentucky 40351**

GENERAL CATALOG, 1973-1975

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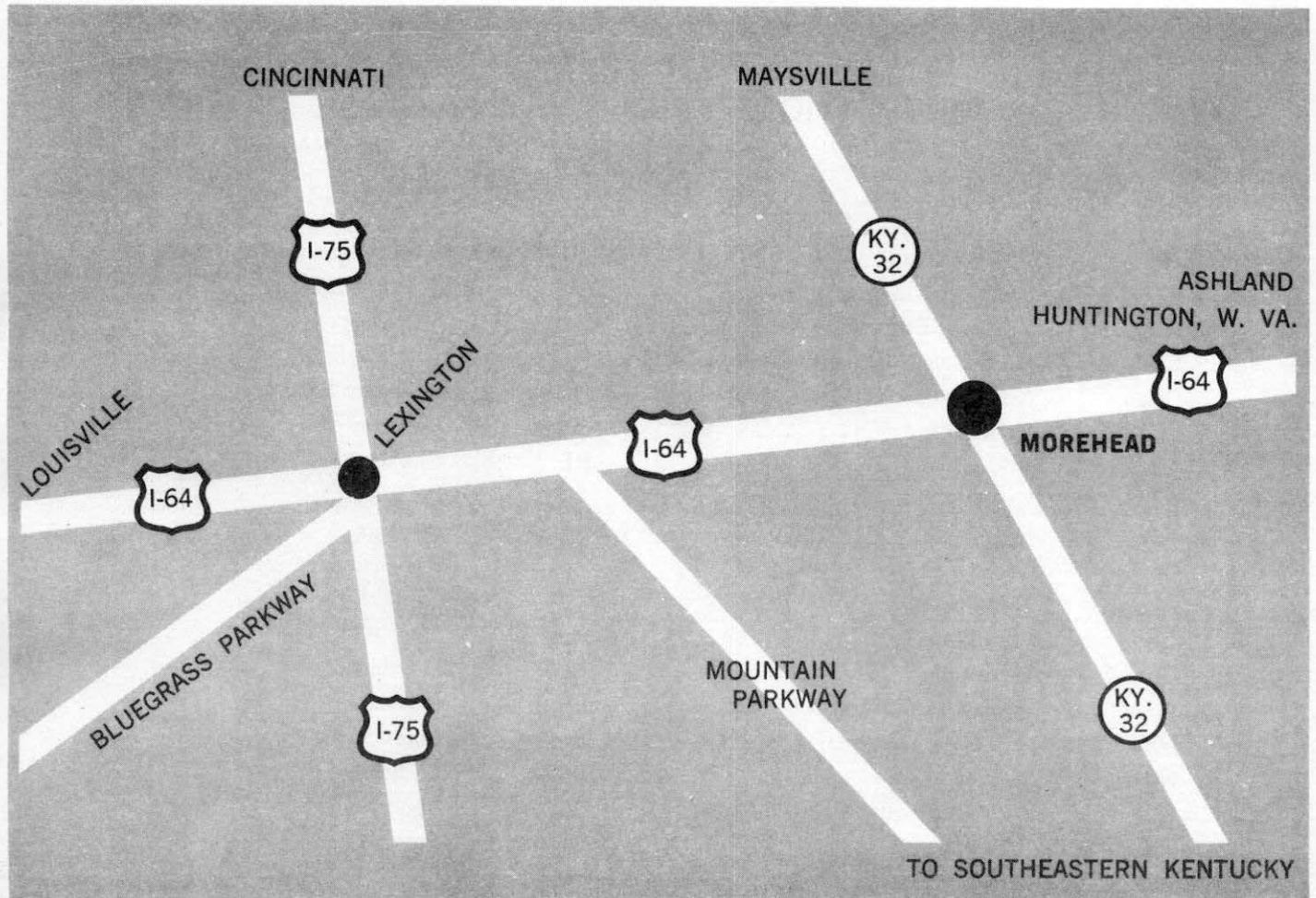
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National League for Nursing**

VOLUME 39 June, 1973 No. 5

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LOCATION OF THE UNIVERSITY



ABBREVIATIONS USED IN THIS CATALOG

Acct	Accounting	Math	Mathematical Sciences
Ag	Agriculture	MHT	Mental Health Technology
BA	Business Administration	MS	Military Science
BE	Business Education	Mus	Music
Biol	Biological Sciences	NAH	Allied Health
Chem	Chemistry	NS	National Security
Econ	Economics	Nurs	Nursing
Ed	Education	PE	Physical Education
Eng	English	Phil	Philosophy
FA	Fine Arts	Phys	Physics
Fr	French	PS	Political Science
Geog	Geography	Psy	Psychology
Geos	Geoscience	Rad	Radio-TV
Ger	German	Rec	Recreation
HEc	Home Economics	Russ	Russian
Hist	History	Sci	Science
Hlth	Health	Soc	Sociology
IE	Industrial Education	Span	Spanish
Jour	Journalism	Spch	Speech
Lat	Latin	SW	Social Welfare
LS	Library Science	Thea	Theatre

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The University

CALENDARS

PURPOSES

HISTORY

THE CAMPUS

CALENDAR, 1973-74

Fall Semester

August 20	Monday	A.M.	Freshman Orientation begins
	Monday	P.M.	Registration of seniors and graduate students Orientation of transfer students
August 21	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
August 22	Wednesday		Registration of freshmen
August 23	Thursday		Classes begin
August 24	Friday		MWF classes meet
August 25	Saturday		Registration of part-time students for night and Saturday classes
August 27	Monday		Last day to register for a full load
September 3	Monday		Labor Day Holiday (No classes are to be held on this date)
September 4	Tuesday		Last day to register for credit
September 24	Monday		Freshman grade reports to Data Processing
October 22	Monday		Mid-term grade reports to Registrar's Office
October 29	Monday		Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
November 21	Wednesday		Thanksgiving holidays begin at 11:20 A.M.
November 26	Monday		Class work resumes at 8:00 A.M.
December 10-14	Monday through Friday		Final examinations
December 15	Saturday		First semester closes at 12:00 noon

Spring Semester

January 7	Monday	A.M.	Orientation of new students
			Registration of seniors and graduate students
	Monday	P.M.	Registration of juniors and sophomores
January 8	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
January 9	Wednesday		Registration of freshmen
January 10	Thursday		Classes begin
January 11	Friday		MWF classes meet
January 12	Saturday		Registration of part-time students for night and Saturday classes
January 14	Monday		Last day to register for a full load
January 21	Monday		Last day to register for credit
February 18	Monday		Washington's Birthday Holiday (No classes are to be held on this date)
February 19	Tuesday		Class work resumes at 8:00 A.M.
March 4	Monday		Mid-term grade reports to Registrar's Office
March 9	Saturday		Spring vacation begins at 12:00 noon
March 18	Monday		Class work resumes at 8:00 A.M. (MWF schedule)
			Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
April 12	Friday		Good Friday Holiday begins at the close of all classes on Thursday, April 11
May 6-10	Monday through Friday		Final examinations
May 11	Saturday		Second semester closes at 12:00 noon
May 12	Sunday		Commencement

Intersession

May 20	Monday		Registration - 8:00 A.M. to 10:00 A.M. Laughlin Health Building
			Classes begin at 10:00 A.M.
June 7	Friday		Intersession ends

Summer Term

June 10-11	Monday-Tuesday		Registration
June 12	Wednesday		Classes begin
July 4	Thursday		Independence Day Holiday
August 2	Friday		Summer Term closes

CALENDAR, 1974-75

Fall Semester

August 19	Monday	A.M.	Freshmen Orientation begins
	Monday	P.M.	Registration of seniors and graduate students
August 20	Tuesday	A.M.	Orientation of transfer students
	Tuesday	P.M.	Registration of juniors and sophomores
August 21	Wednesday		Registration of juniors and sophomores
August 22	Thursday		Registration of freshmen
August 23	Friday		Registration of freshmen
August 24	Saturday		Classes begin
August 26	Monday		MWF classes meet
September 2	Monday		Registration of part-time students for night and Saturday classes
September 3	Tuesday		Last day to register for a full load
September 23	Monday		Labor Day Holiday (No classes are to be held on this date)
October 21	Monday		Last day to register for credit
October 28	Monday		Freshman grade reports to Data Processing
			Mid-term grade reports to Registrar's Office
			Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
November 20	Wednesday		Thanksgiving holidays begin at 11:20 A.M.
November 25	Monday		Class work resumes at 8:00 A.M.
December 9-13	Monday through Friday		Final examinations
December 14	Saturday		First semester closes at 12:00 noon

Spring Semester

January 6	Monday	A.M.	Orientation of new students Registration of seniors and graduate students
	Monday	P.M.	Registration of juniors and sophomores
January 7	Tuesday	A.M.	Registration of juniors and sophomores
	Tuesday	P.M.	Registration of freshmen
January 8	Wednesday		Registration of freshmen
January 9	Thursday		Classes begin
January 10	Friday		MWF classes meet
January 11	Saturday		Registration of part-time students for night and Saturday classes
January 13	Monday		Last day to register for a full load
January 20	Monday		Last day to register for credit
February 17	Monday		Washington's Birthday Holiday (No classes are to be held on this date)
February 18	Tuesday		Class work resumes at 8:00 A.M.
March 3	Monday		Mid-term grade reports to Registrar's Office
March 8	Saturday		Spring vacation begins at 12:00 noon
March 17	Monday		Class work resumes at 8:00 A.M. (MWF schedule) Students who drop courses after this date will automatically receive marks of "E" in the courses dropped
March 28	Friday		Good Friday Holiday begins with the close of all classes on Thursday, March 27
May 5-9	Monday through Friday		Final examinations
May 10	Saturday		Second semester closes at 12:00 noon
May 11	Sunday		Commencement

Intersession

May 19	Monday		Registration — 8:00 A.M. to 10:00 A.M., Laughlin Health Building
June 6	Friday		Classes begin at 10:00 A.M. Intersession ends

Summer Term

June 9-10	Monday-Tuesday		Registration
June 11	Wednesday		Classes begin
July 4	Friday		Independence Day Holiday
August 1	Friday		Summer Term closes

PURPOSES

We believe that the University must structure a community of students, teachers, and administrators in which all elements function for the sake of scholarship and in which no one element serves only itself.

We believe that the University must develop an environment in which knowledge may be discovered and integrated for civic, regional, national, and international concerns of social significance—or even for no reason at all except the excitement of free inquiry.

We believe that the University must provide opportunity for the individual student to recognize his potentialities and to acquire self-discipline necessary for their realization.

We believe that the interaction of students committed to meaningful learning with a faculty committed to excellence of teaching must promote an atmosphere in which the student will be challenged to encounter the values, ideas, and tangible aspects of the universe.

We believe that the University has a special obligation to serve the people of Eastern Kentucky and a general obligation to serve all of the citizens of the Commonwealth.

We believe that to achieve its purposes, the University must respond flexibly to the needs of the present without spurning the achievements and values of the past or overlooking the promises of the future.



HISTORY

A long tradition of service to the people of the Commonwealth of Kentucky runs through the history of Morehead State University. A study of educational needs in the state led to the establishment of Morehead State Normal School, whose doors opened for the first time as a public institution in September of 1923. The campus was one which had been occupied for 35 years by a private institution bearing the name of Morehead Normal School. The tradition of education that had been established by this predecessor provided strong support in the region for the new public undertaking.

In 1926, the General Assembly changed the name to Morehead State Normal School and Teachers College, and the growing college was admitted to membership in the Kentucky Association of Colleges. Morehead State Normal School and Teachers College became Morehead State Teachers College in 1930, graduating 11 seniors from a student body of 256, with a faculty of 22.

The college entered a decade of sustained growth during which the size of the student body and the faculty more than doubled. Four major buildings and Jayne Memorial Stadium were built during this decade. In 1941, the college admitted its first foreign student, and the next year became the site of an electrical training school for the United States Navy.

After the war, offerings and services were broadened, and in 1948 the General Assembly changed the name to Morehead State College—a harbinger of what came to be known as the "Breakthrough" period of the 1950's.

During the 1950's, enrollment tripled, the campus acquired its first major structure in 17 years as a huge expansion of physical facilities exceeding \$50,000,000 was undertaken and educational programs were greatly strengthened and expanded. The sound philosophy of service to the region was greatly strengthened during this period and Morehead State College became the center of regional activities for diverse groups.

Continued growth in the 1960's brought one more change in name—Morehead State University, a reflection of the changing needs of the people of the Commonwealth for higher education. With that change in status in 1966, Morehead State University reached another level in its tradition of service that now has lengthened to more than four decades. The private normal school, turned state normal school with the job of training elementary teachers, has become something its first president, Dr. Frank C. Button, would not have dreamed—a renowned regional university whose offerings reach a broad spectrum of people from all walks of life.

THE CAMPUS

At the northeast edge of the City of Morehead lies the campus of Morehead State University, its gently-sloping, wooded grounds covering nearly 500 acres.

Campus buildings combine the traditional and the contemporary in an imposing array of modern physical facilities set against the natural backdrop of the Daniel Boone National Forest. The campus skyline resembles a city with its high-rise buildings and tree-lined streets.

The University's physical plant represents an investment upwards of \$65 million in prize-winning and eye-pleasing architecture.

ACADEMIC-ADMINISTRATIVE

Fourteen separate structures comprise the academic-administrative group which extends along University Boulevard from Main Street (U.S. 60) on the east to Tippet Avenue on the west end of the campus.

The hub of activity is the Jerry Howell-Cloyd McDowell Administration Building, located appropriately in the center of campus. Completed in 1963, this three-story, air-condi-



Howell-McDowell Administration Building

tioned facility contains offices of the President, Vice President for Academic Affairs, Vice President for University Affairs, Vice President for Fiscal Affairs, Vice President for Student Affairs and the deans of graduate and undergraduate programs. The building front features the Great Seals of the University and the Commonwealth of Kentucky. University Affairs is housed on the first floor and includes alumni affairs, extension, school relations, correspondence courses, public and sports information, publications and printing. The second floor incorporates the President's office, business office, registrar's office, undergraduate and graduate programs and non-academic personnel. Located on the third floor are data processing, admissions, Academic Affairs and Student Affairs which includes housing, financial aid, traffic, dean of students, associate deans of students and campus security. The structure was named for two prominent members of the Board of Regents.

Starting from the east end of the boulevard, the first academic structure is the Laughlin Health Building, an air-conditioned two-story classroom and office structure with 97,000 square feet of floor space. It contains the Division of Health, Physical Education and Recreation and the offices of intercollegiate and intramural athletics. Opened in 1967, it features a multi-purpose room encompassing four regulation-size basketball courts, an eight-lane bowling alley, handball courts, gymnastics and wrestling rooms, a mirrored dance studio, dressing rooms and sauna bath. The building was named in honor of Robert G. Laughlin, former director of athletics and head basketball coach who served the University for 38 years.

At the east corner of University Boulevard and Clements Lane is Baird Music Hall. Constructed in 1953 and expanded in



Baird Music Hall

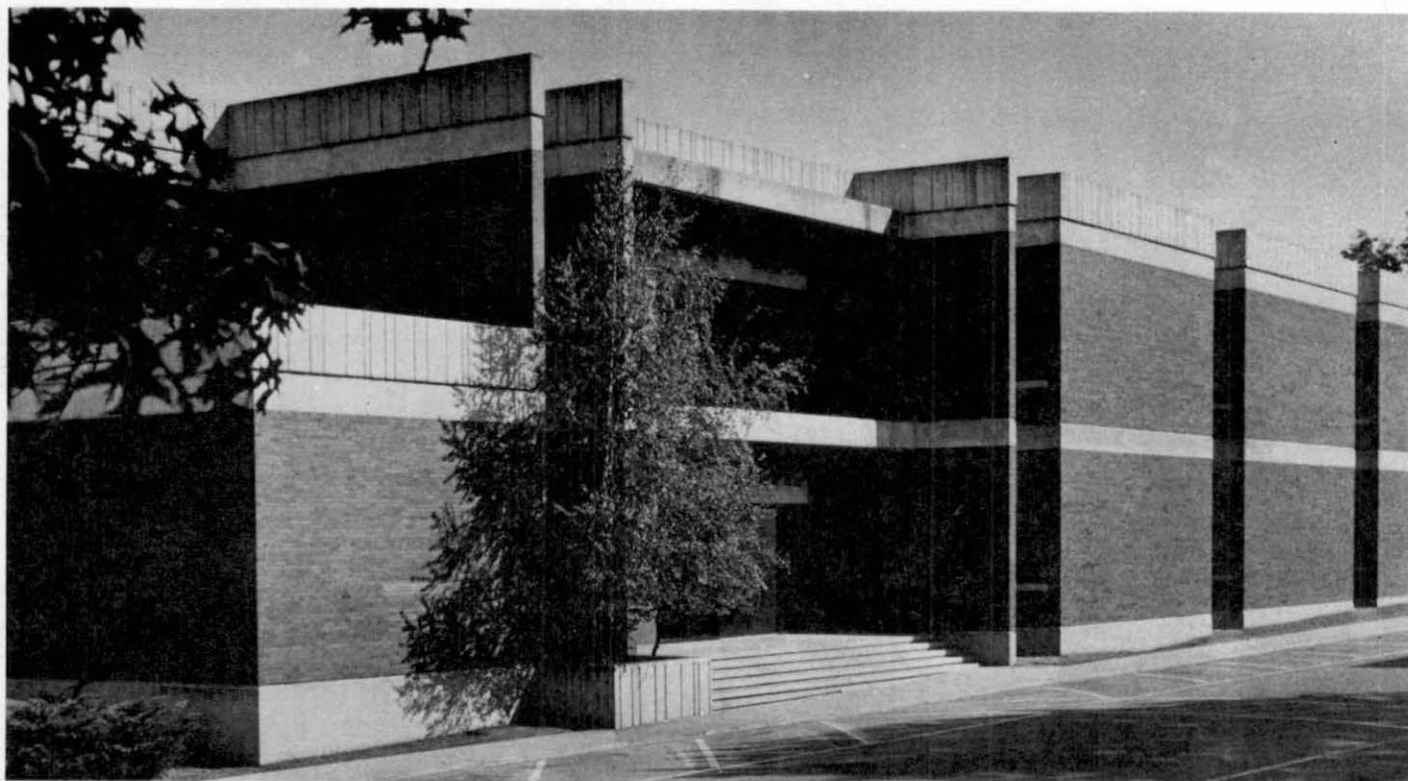
1963 and again in 1968, this three-story, air-conditioned facility houses the offices of the dean of the School of Humanities, the head of the Department of Music and the director of bands. Also enclosed are faculty studios and offices, classrooms, individual practice and ensemble rooms, a 1,000-seat rehearsal hall and a 300-seat recital hall. The second addition received a design award from the Kentucky Society of Architects. The building was named for William Jesse Baird, the University's fifth president.

On the opposite corner is University Breckinridge School, a laboratory school ranging from kindergarten through high school with is open to a limited number of students on a

tuition basis. Built in 1931 and enlarged in 1966, the facility includes a television production studio. The building was named for Robert J. Breckinridge, Kentucky's sixth superintendent of public instruction.

Diagonally across from UBS on the corner of University and Elizabeth streets is Palmer House, a homemaking laboratory for students enrolled in vocational home economics. The modern residence was purchased in 1964 and named for its former owner, John Palmer.

The first academic structure on the south side of the boulevard is the Claypool-Young Art Building, another



Claypool-Young Art Building

award-winning design selected by the Kentucky Society of Architects. Completed in 1968, the three-story facility is the only structure on a Kentucky public university campus devoted exclusively to the teaching of art and art education. It features a tri-level gallery, two outdoor sculpture courts, rooftop sketching deck, 150-seat lecture room and skylighted studios. The building was named in honor of Mrs. Naomi Claypool, head of the art faculty for 40 years, and Thomas Young, who taught in the department for 28 years.

Across from the art building is Rader Hall, the oldest campus building. Opened in 1926, it was renovated and enlarged in 1970 to become an ultra-modern air-conditioned classroom and office facility housing the entire School of Social Sciences. Originally used as the administration building, it was

named for Clifford Rader, a member of the history faculty for 17 years. The building has been cited for design excellence by the Kentucky Society of Architects.

Behind and above Rader is Lyman V. Ginger Hall, home of the School of Education, the office of the Vice President for Research and Development, Personal Development Institute, Appalachian Adult Education Center, the Institute on Aging



Rader Hall



Ginger Hall



Johnson Camden Library

and the Office of Special Services. Constructed in 1968, the structure is comprised of a nine-story office tower and a six-story classroom wing. Its facilities include a television production studio, reading center, psychology laboratories, seminar rooms and additional audio-visual areas. It was named for Dr. Lyman V. Ginger, Kentucky superintendent of public instruction and former chairman of the MSU Board of Regents.

At the base of the hill overlooking the main campus area is the Johnson Camden Library. Built in 1931 and more than doubled in size in 1965, it houses nearly 300,000 volumes and includes conference rooms, study carrels, single desks, the James Still Room, ERIC documents, a microfiche collection numbering in the thousands, Oberlin College Collection of Anti-Slavery Propaganda on microcards, a materials center with a wide assortment of phonorecords, filmstrips and other teaching aids and specialized equipment consisting of microfilm readers, microcard readers, microfiche reader-printer and coin-operated photocopy machines. The building was named for Johnson Camden, former U.S. Senator from Kentucky.

Near the boulevard's west terminus is the Button Building, headquarters of the Department of Military Science and location of the 1,500-seat Button Auditorium which is used for student convocations, theatrical productions, motion pictures, lectures and other programs. Completed in 1929 as a combined auditorium-gymnasium, it was remodeled in 1968 and the gymnasium area was converted into two floors of offices and classrooms and a practice room for the University's voluntary Army ROTC program. The building was named for Frank C. Button, the University's first president.

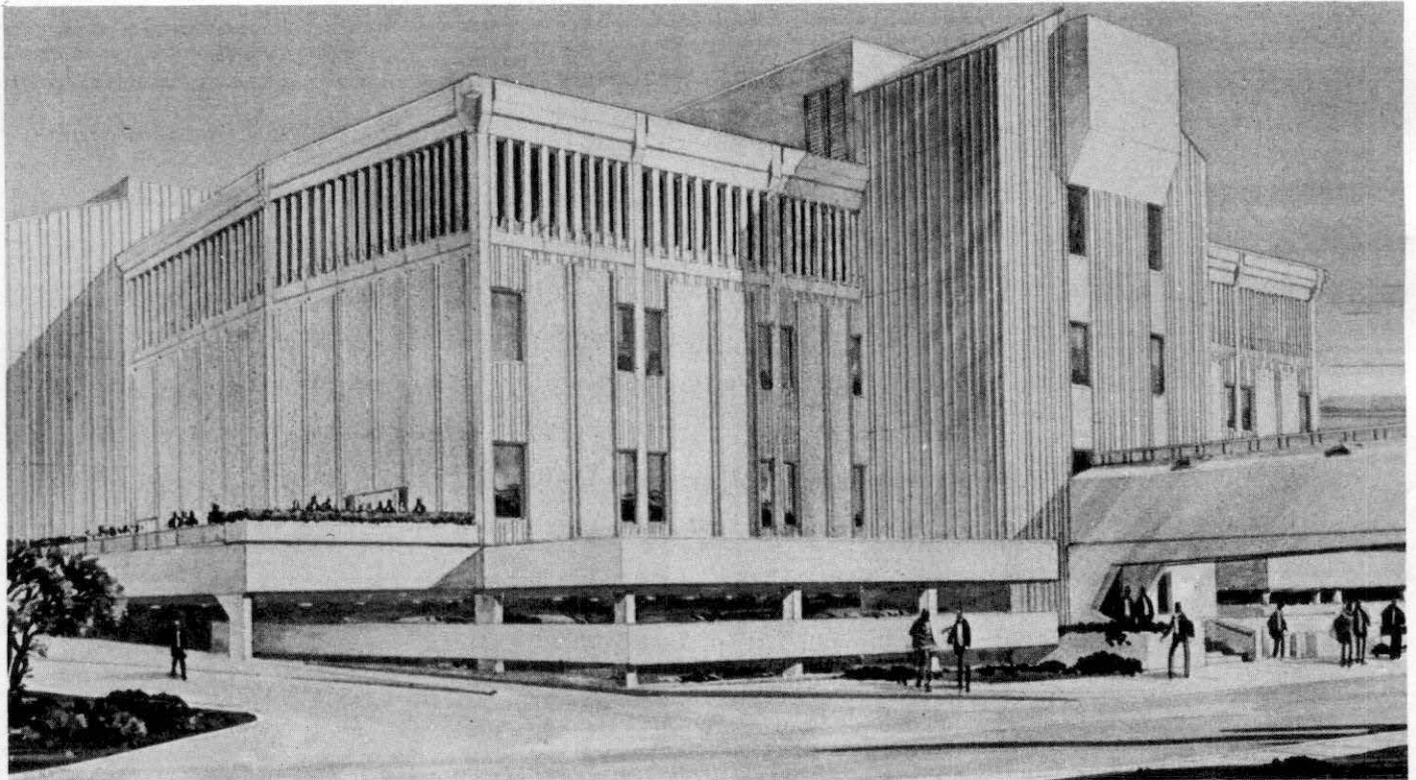
Clustered with three other academic buildings at the west end of the campus is Lappin Hall, the four-story home of the School of Sciences and Mathematics and the Department of Agriculture. Constructed in 1937 and expanded in 1968, the structure contains offices and modernly-equipped classrooms and laboratories. The building was named for Warren C. Lappin, former dean of the faculty and vice president for academic affairs who served 48 years at the University.

**Lappin Hall**

At the corner of Battson Avenue and Third Street is the four-story Bert Combs Building, another completely air-conditioned structure. Its tenants include the dean of the School of Business and Economics, the Divisions of Languages and Literature and Communications, the Department of Philosophy, offices of the Trail Blazer, MSU's weekly student newspaper, studios and offices of WMKY, the University's 50,000-watt FM radio station, the Little Theatre, the dial-access information retrieval system and the language laboratory. The building was completed in 1961 and later named for Bert T. Combs, the 54th governor of Kentucky.

Next door to the Combs Building is the Lloyd Cassity Building, a three-story classroom, laboratory and office structure which houses part of the School of Applied Sciences and Technology. The building was opened in 1962 and contains equipment for many of the University's two-year programs in technical and vocational fields. It was named for Lloyd Cassity, vice chairman of the Board of Regents and former president of the Alumni Association.

Connected to the Cassity Building from behind is Boyd F. Reed Hall, which houses MSU's Appalachian Technical Institute. The five-story structure includes three floors of



Reed Hall

classrooms and offices for the School of Applied Sciences and Technology and two levels of enclosed parking. It was named for Boyd F. Reed, longtime member of the Board of Regents.

The University's largest learning laboratory—a 212-acre experimental farm—is not contiguous to the main campus. It is located on Ky. 377, about six miles north of Morehead in rural Rowan County. A five-year development plan started in 1971 is adding new facilities for agronomy, horticulture, animal science and agricultural economics. Acquired in 1968 and under constant improvement since, the University Farm is also used by local agriculture organizations for various outings.



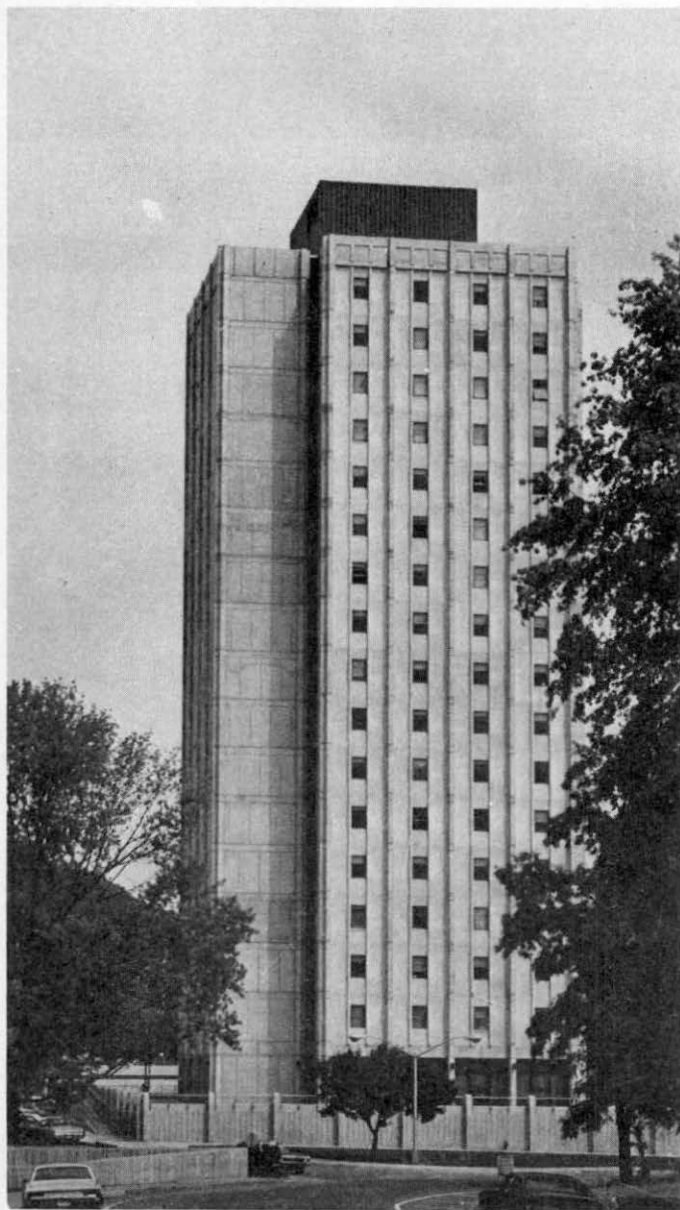
President's Home

RESIDENTIAL

The University's on-campus residential facilities consist of 28 multi-story structures for single and married students, one-floor units for married students and faculty and staff members and the official residence of the president.

The President's Home, a three-story brick structure at the corner of University Boulevard and Battson Avenue, has served each of MSU's seven presidents with Dr. and Mrs. Adron Doran in residence since 1954. Built in 1929, the President's Home stands on a terraced lawn and is furnished in keeping with the importance and dignity of such a structure.

Seventeen modern residence halls function as homes away from home for the bulk of the University's student body. All contain study rooms on each floor with a director's apartment on the lobby level. Starting at the east end of the campus, the first campus address is Downing Hall, a tri-level structure on the hillside overlooking Breathitt Sports Center. Occupied in 1967, it is used exclusively by the University's unmarried scholarship athletes. Featuring 31 modern, four-man carpeted suites, the building was named for George D. Downing, the University's first varsity coach and athletic director.



Cartmell Hall

Butler Hall, a three-story men's residence, is located on Henry Ward Place near the boulevard and is connected by a passageway to Mays Hall. Butler contains 102 student bedrooms and was completed in 1961. It was named for Wendell P. Butler, three-term superintendent of public instruction in Kentucky and former chairman of the MSU Board of Regents.

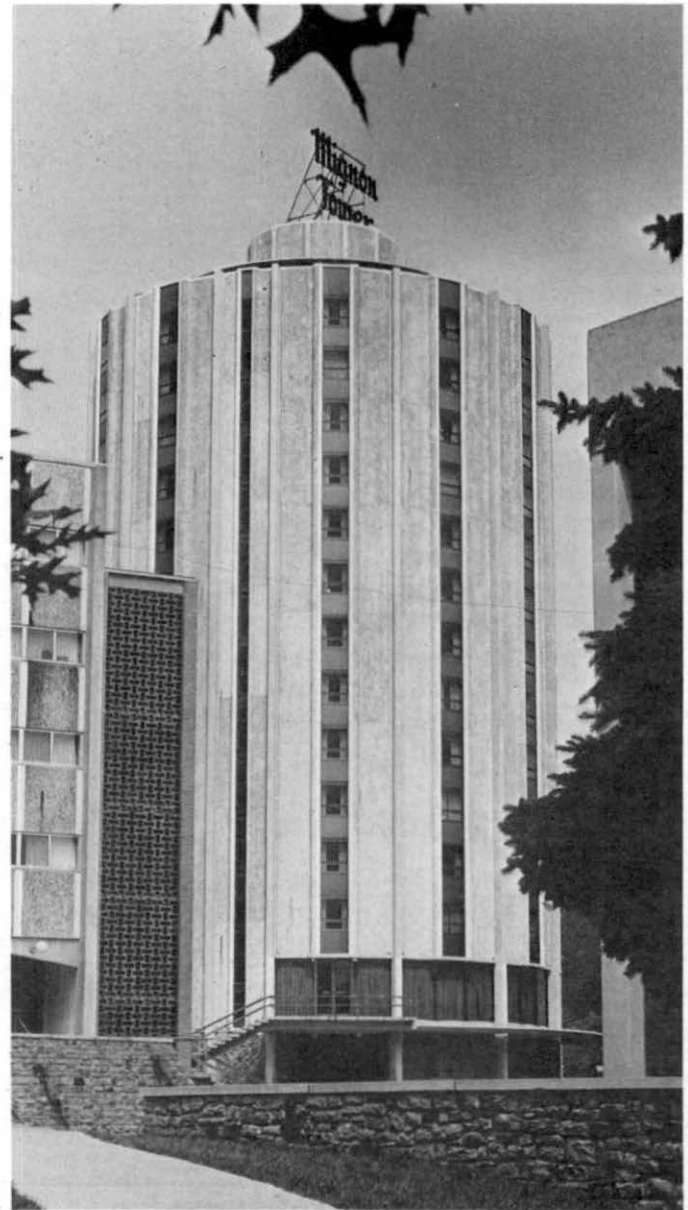
Mays Hall, built in 1937 and extensively redecorated in recent years, contains 91 bedrooms. The four-story structure was named for Jesse T. Mays, a 35-year faculty member and former director of the hall.

The tallest campus building and the largest residence facility is William H. Cartmell Hall, a 19-story tower which has 240 air-conditioned bedrooms. Completed in 1969, the building features a divided lobby with a formal lounge and television viewing area. It towers above the intersection of University Boulevard and Henry Ward Place. The building was named for Dr. William H. Cartmell, chairman of the Board of Regents.

Three women's residence halls face the boulevard in the mid-campus area. Situated next door to University Breckinridge School is Thompson Hall, a three-story building with 80 bedrooms. Occupied in 1927, it was named for J. H. Thompson, speaker of the Kentucky House of Representatives when MSU was established in 1922. In the shadow of Ginger Hall is Allie Young Hall, a three-story facility with 66 rooms. The ground floor contains the offices of *The Raconteur*,

MSU's yearbook, the campus placement center, three photographic laboratories and offices of the "Upward Bound" and "Talent Search" projects. Built in 1926, the hall was named in honor of Judge Allie W. Young, a former state legislator credited with a major role in the selection of Morehead as the site for the University. Located near the Button Building is Fields Hall, a three-story structure with 80 bedrooms. A 20-bed infirmary is housed on the ground floor. Completed in 1927, the hall was named for Mrs. William J. Fields, wife of a Kentucky governor and the first woman appointed to the MSU Board of Regents.

Ten of the University's residence halls are situated east and west of Clements Lane between the boulevard and the University Lake. Dominating the north side of the campus is the magnificent Mignon Complex, a U-shaped grouping of four air-conditioned residence halls which houses 976 women. The project was completed in 1967 with the occupancy of 16-story Mignon Tower, built for 292 coeds. The complex also consists of six-story Mignon Hall, opened in 1963 with space for 296 women; West Mignon Hall, a five-story facility completed in 1964 to accommodate 196 women; and East Mignon Hall, a six-story building finished in 1966 with quarters for 192 others. Each hall consists of four-person suites with a study room, bedroom and private bath. The complex was named for Mrs. Mignon Doran, wife of the University's seventh president and founder and director of the MSU Personal Development Institute.

**Mignon Tower**

Spanning a wooded hollow near the Mignon Complex is Nunn Hall, a 10-story residence hall which houses 392 women in 98 air-conditioned suites. Occupied in 1969, the building was named in honor of Mrs. Beula C. Nunn, wife of the 56th governor of Kentucky.

In front of Nunn Hall is Waterfield Hall, a four-story women's residence hall with 196 bedrooms. For 10 years after its completion in 1960 the hall was used by male students. However, it was renovated in 1970 for occupancy by women.

The building was named for Harry Lee Waterfield, two-time lieutenant governor of Kentucky.

A high-rise structure and three smaller buildings form a quadrangle of men's air-conditioned residence halls on the east side of Clements Lane across from the Mignon Complex.

Alumni Tower, a 10-story home for 382 men, was completed in 1967. It also houses the University's second cafeteria which has a seating capacity of 500 including a formal dining area. The tower was named in honor of the University's more than 15,000 graduates.



Nunn Hall

On the tower's south side is Cooper Hall, a four-story structure completed in 1966 and occupied by 202 men. It bears the name of John Sherman Cooper, former U.S. Senator from Kentucky and ambassador to India.

Two nearly identical four-story men's halls—Regents and Wilson—stand behind Alumni Tower. Each houses 202 men. Regents Hall, finished in 1963, was named for all of the persons who have served on the Morehead State University



Alumni Tower

Board of Regents. Wilson Hall, opened in 1962, was named in honor of Roger L. Wilson, the University's vice president for student affairs.

Located east of Regents and Wilson are Normal Hall, a four-story, 40-unit apartment building, and Riceville, a cluster of 20 two-bedroom, unfurnished dwellings. Both projects house married students. Normal Hall, occupied in 1967, was named for Mrs. Phoebe Phelps Button and her associates who founded the Morehead Normal School in 1887.

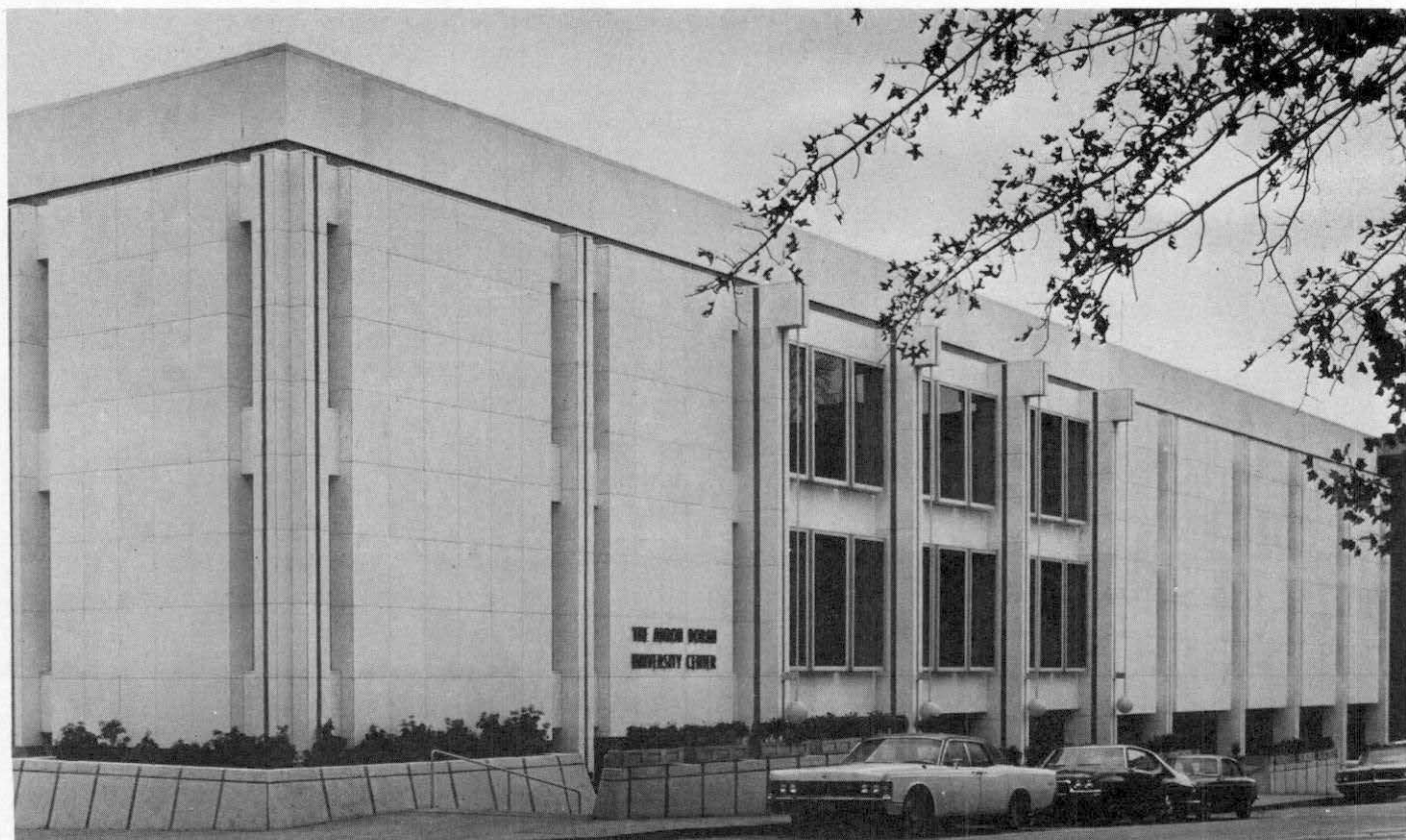
South of University Lake is Lakewood Terrace, a gathering of 10 two-story buildings containing 84 studio apartments and 40 one-bedroom units and five duplexes housing 10 faculty families. Open mainly to married students, the buildings were completed in 1960. Eight were named for the University's original faculty—Charles D. Lewis, Henry C. Haggan, Charles O. Peratt, D. M. Holbrook, Inez Faith Humphrey, Evelyn Royalty, Emma Shader and Ruby Vansant. The others were named in honor of U.S. Rep. Carl D. Perkins of Kentucky's 7th Congressional District and Miss Anna Carter, who served as secretary to all seven MSU presidents. Other permanent faculty housing is located on Ward Oates Drive and North Wilson Avenue.

University-owned and supervised mobile home housing facilities are maintained at three off-campus locations. Parking pads for 14 privately-owned units, five three-bedroom homes for faculty and staff members and 12 one-bedroom units for married students are available three miles east of the campus on U. S. 60. The University has 125 one-bedroom mobile homes on Ky. 32 about two miles from campus and 10 one-bedroom units on Piedmont Avenue adjoining Breathitt Sports Center.

AUXILIARY

Six main structures and areas make up the University's auxiliary facilities. Moving from east to west, the first operation is the MSU Golf Course, four miles east of campus on U. S. 60. Acquired in 1967, the nine-hole, 3,000-yard layout is used by golf classes, the golf team, students, faculty and staff families and the general public.

At the eastern edge of the campus is Breathitt Sports Center, a 30-acre athletic complex incorporating a 10,000-seat stadium for football and track, an eight-lane track with a synthetic surface, a baseball park with 1,100 permanent seats, ten tennis courts, soccer field, intramural fields and football and band practice fields. The stadium's west grandstand includes the football coaching offices and dressing rooms for football, baseball, track and soccer. Completed in 1964 and expanded in 1972, the complex was named for Edward T. Breathitt Jr., Kentucky's 55th governor.



Adron Doran University Center

The University's largest indoor seating area and home of the basketball team is Lawrence W. Wetherby Gymnasium, located on Main Street near the east end of University Boulevard. The 5,000-seat arena also contains the basketball coaching offices and is used for basketball games, wrestling matches, commencement exercises, entertainment programs, regional meetings and many student convocations. It was opened in 1957. The building was named for Lawrence W. Wetherby, Kentucky's 52nd governor.

Directly behind Wetherby Gymnasium is the W. H. Rice Service Building, headquarters of the Department of Buildings and Grounds. Built in 1965, it contains more than 15,000 square feet of storage and work space and facilitates maintenance operations as well as receiving and shipping of materials. The University's vehicles are stored in the building's enclosed parking lots. The structure was named for W. H. Rice, the department's superintendent for 32 years.

The University's indoor swimming pool is housed in Senff Natatorium on the west side of the Button Building. The 90-foot by 30-foot pool includes a spectators' gallery and dressing rooms. Used mainly for swimming classes and swim meets, it was opened in 1932 and named for Judge Earl Senff, a former member of the Board of Regents.

Busiest of all campus buildings is the Adron Doran University Center at the corner of University Boulevard and Battson Avenue. Originally opened in 1957 and renovated and enlarged in 1969, the three-story structure houses a myriad of activities. The first floor contains the University Post Office,

University Store, a game room, information desk, director's office and television lounge. On the second floor are offices of the MSU Student Government Association, ADUC Program Council, Panhellenic and Interfraternity councils, a 600-seat cafeteria, 230-seat grill, a women's commuter lounge and East and West meeting rooms. The third floor includes a ballroom, seating 1,100 for banquets and private dining in the Eagle Room (70 seats), Red Room (100 seats) and Presidential Suite (60 seats). On the same level is the UN Room, meeting place of the University Senate and the executive, judicial and legislative branches of the Student Government Association. The building bears the name of Adron Doran, the University's seventh president.

Situated near the campus are student centers of the Baptist, Catholic, Methodist, Episcopal and Christian churches.

Next door to the Baptist Student Center on University Street is the MSU Alumni House, a two-story facility constructed in 1973 to house offices and meeting and reception rooms of the University's Alumni Association. Financed entirely by alumni contributions, the structure is also used for other University functions.

FUTURE GROWTH

University planners are at work on designs for a tower addition to the Administration Building, an outdoor swimming pool, recreational facilities at the University Lake and a clubhouse at the golf course.



Information for Students

ADMISSION

REGULATIONS AND PRACTICES

EXPENSES

FINANCIAL AID

SPECIAL INFORMATION FOR NEW STUDENTS

SERVICES AND ACTIVITIES

STUDENT ORGANIZATIONS

ADMISSION

Admission to the Freshman Class

Without Examination. Graduates of high schools accredited by the Kentucky State Board of Education are admitted without examination, provided that 15 of the units used for graduation are acceptable to the University. No specific courses are required for entrance, but not more than four of the 15 acceptable units may have been earned in one subject field.

An out-of-state student who is a graduate of an accredited high school may be granted admission to Morehead State University if his high school transcript shows that he has been graduated in the upper one-half of the senior class and has been recommended by a responsible school official as having educational promise.

An out-of-state student who has been a marginal high school performer may file an application for admission to Morehead State University. Based upon the student's past academic record, his scores on standardized tests, and his recommendations from high school officials, the student may be accepted for the Special Summer Program. Students admitted for this program must enroll in the regular summer term, take six hours of academic work which has been approved by the Dean of Undergraduate Programs, make not less than "C" in each course, and maintain an acceptable

pattern of behavior. The student will then be considered for admission at the beginning of the fall semester. This program will provide an opportunity for the low achieving student to prove his ability to successfully cope with university level work.

Marginal students often will be requested to schedule an interview in the Office of Admissions to discuss their program with admission counselors of Morehead State University prior to registration for the summer term.

By examination. High school students who have outstanding records and are within one unit of graduation may be admitted to the freshman class upon recommendation of the high school principal and successful completion of an entrance examination.

By High School Equivalency. A Kentucky resident who has not graduated from high school may be admitted to the freshman class of Morehead State University by presenting a High School Equivalency Diploma. Local boards of education issue such diplomas on the basis of General Educational Development Tests to service personnel, veterans, and nonveteran adults. Additional information may be obtained by contacting the local board of education, the State Department of Education, or the Office of Admissions.

Admission of High School Juniors

High school students who have completed six semesters of high school or finished their junior year may apply for the high school junior program. This program allows exceptional high school juniors to enroll for freshman level courses in addition to their high school program and not in lieu of their senior year of high school. A maximum of six semester hours will be allowed in any regular summer term and a maximum of three semester hours in any semester in which the student is enrolled in high school. To qualify for the high school junior program the following regulations must be met: (1) applicant must have completed six semesters of high school; (2) applicant must be recommended by a responsible school official as being capable of competing at the college level and as being capable of adjusting to the college campus; (3) applicant must have a B (3.00) standing; and (4) an interview will be required on campus.

Admission as a Special Student

Kentucky residents who do not meet entrance requirements to the University may be admitted to college classes as special students. These special students may be considered as candidates for any degree or certificate when they have fulfilled college entrance requirements or completed satisfactorily an approved number of hours in residence as determined by the Admissions Committee.

NOTE: Students who have attempted work at the college level must declare that work. Classes taken at the college level must be used in the admissions evaluation.

NOTE: All students desiring admission must have their credits certified by presenting official transcripts. These transcripts should be mailed directly to the Director of Admissions by the person certifying them and must be on file prior to the time of registration.

Admission as a Transfer Student

Students entering Morehead from other institutions must present a statement of honorable dismissal from the college or university attended previously and must satisfy the entrance requirements here. Official transcripts of college and high school credits must be on file in the Registrar's Office prior to the time of registration.

A student who is ineligible to return to the college or university from which he desires to transfer may be considered for admission on probation as a transfer provided his academic standing on the work done at the other institution is equal to or above the academic standing required of a student to remain at Morehead State University, provided, however, he is recommended for admission by the academic dean of the college or university from which he transfers and provided, further, that he is approved for admission by the Committee on Admissions of Morehead State University on the basis of a personal interview with the student on campus. The student's parent or parents may be requested to accompany the student. Any student who is accepted as a transfer to Morehead State University on probationary status, with three or more semesters in residence, must achieve an academic standing of 2.0 or above as a full-time student and maintain an acceptable pattern of behavior to be eligible to enroll for the succeeding semester.

Admission as an Auditor

An individual who wishes to audit a class must apply to the Director of Admissions. No credit will be given for this work, nor will the student be permitted to take an examination for credit.

Admission to Graduate Study

Regulations governing admission to graduate study are explained in detail in the *Graduate Bulletin*, which may be obtained from the Office of Graduate Programs.

REGULATIONS AND PRACTICES

ACADEMIC

Late Entrance

Students entering after the regular enrollment date will be placed on a reduced schedule. A late enrollment fee of \$3.00 per day, not to exceed \$6.00, will be charged all students who do not register on the day set aside for the purpose.

Change in Schedule

The student's schedule cannot be changed after registration except by permission of the Dean of the School/Schools involved.

A fee of \$2.00 will be charged for each change in the schedule made at the student's request after the date provided in the school calendar.

Student Load

The minimum amount of work that a full-time student may carry each semester is 12 hours; the maximum amount is 17 semester hours except as follows:

A student may schedule a maximum of 18 semester hours with the permission of the Dean of Undergraduate Programs; a

student who has earned a quality point standing of 3.25 during the previous term may schedule not to exceed 19 semester hours with the permission of the Dean of Undergraduate Programs; a student who has earned a quality-point standing of 3.35 during the previous term may schedule not to exceed 20 semester hours with the permission of the Dean of Undergraduate Programs; and a student who has earned a quality-point standing of 3.5 with no mark below B, during the previous year may schedule not to exceed 21 semester hours with the permission of the Dean of Undergraduate Programs.

An exception may be made to the regulations stated in the preceding paragraph when, in the senior year, a student needs not more than three semester hours in excess of his regular load to graduate. In this case, the student may be permitted to take, during the year, not to exceed three semester hours more than his standing would normally permit, provided that the total load is not greater than 21 semester hours during any one semester.

The minimum student load for a full-time graduate student is nine semester hours. The normal load for a graduate student is 15 hours.

During a summer term of eight weeks the student loads are one-half of the loads as defined for the regular semester.

No in-service teacher is permitted to earn more than five hours of credit during a semester, or eight hours during a school year, in any combination of residence, correspondence, or study center work.

Seniors at Morehead State University who meet the academic requirements and who lack no more than six semester hours for completion of the requirements for the Baccalaureate degree may apply for permission to enroll in graduate courses concurrently with the remaining undergraduate work. Application is made to the Dean of Graduate Programs on a form supplied by the graduate office. A senior taking graduate courses may not enroll for more than 14 hours of course work. If admitted, such a student registers as a senior.

Classification of Students

Classification of a student is determined by the number of hours of credit he has successfully completed, in accordance with the following schedule: 0-29 hours, freshman; 30-59 hours, sophomore; 60-89 hours, junior; 90 hours and above, senior.

The Numbering of Courses

100-199	Freshman courses
200-299	Sophomore courses
300-399	Junior courses
400-499	Senior courses
500-599	Senior and graduate courses
600-699	Graduate courses
700-799	Special graduate courses

Courses numbered 500 may be taken for graduate or undergraduate credit. Before enrolling for a 500 level course for graduate credit, a student should consult the Dean of Graduate Programs.

Courses numbered 600 and above may be taken only by graduate students.

Courses numbered 700-799 are used to indicate special graduate courses involving independent research.

The Marking System

The evaluation of work done by undergraduate students will be indicated by letters as follows:

- A—The highest mark attainable
- B—A mark above average
- C—The average mark
- D—The lowest passing mark
- E—Failure—course must be repeated in residence
- I—Incomplete course
- K—Credit (pass-fail)
- N—Failure (pass-fail)
- P—Withdrew passing
- R—Course repeated
- U—Withdrew unofficially
- W—Withdrew officially
- Y—Audit

(A course in which an "I" is received must be completed within the first thirty school days of the next term in residence, if credit is to be granted. Otherwise, the mark automatically becomes an "E".)

Pass-Fail

Morehead State University has a pass-fail grading system which students may select by filling out an application in the office of the dean of their first major. The purpose of the system is to broaden their education by undertaking intellectual exploration in elective courses outside their area of specialization without having to engage in grade competition with students specializing in those courses.

The requirements for the pass-fail grading system include the following:

1. The student who has earned a 2.5 cumulative point average for a minimum of 30 hours on the campus of Morehead State University is eligible for the program. A transfer student with a minimum of 30 semester hours of which at least 12 hours have been completed at Morehead State University with a 2.5 on the work completed at Morehead State University is eligible for the program.
2. A student may apply a maximum of 15 hours of pass-fail credit earned at the University toward the total number of hours required for graduation with a maximum of six hours permissible in an Associate Degree.
3. The pass-fail option is applicable only for free elective courses. These include all courses outside the student's major or minor area, but do not include general education or specific degree requirements.
4. A student may register each semester under the pass-fail option for one course of any number of hours or a combination of courses not to exceed three hours.
5. Hours earned in pass-fail work will be added to the student's total hours passed but will not have an effect on grade point average. Any grade of D or above will be considered passing and will be designated by K. A failing grade will be designated N.
6. A student may change his course registration status from a pass-fail option to the conventional letter grading system and vice versa during the normal period to add a course.
7. Hours earned under the pass-fail option cannot be transferred into any degree program.

8. Students taking courses under the pass-fail option will not be identified to instructors. Instructors will turn in the conventional letter grade and the Registrar will convert the assigned letter grade to a K or N as applicable.

For further information concerning the pass-fail grading system and how to make application for this system, please contact the dean of your school or the Dean of Undergraduate Programs.

Graduate Students

Marks are assigned to graduate students according to the following scale—

- | | |
|---------|--|
| A | Superior graduate work |
| B | Average graduate work |
| C | Below |
| | average graduate work, counts as graduate credit |
| D and E | No graduate credit |

Scholarship Points

The mark of "A" carries 4 points; "B", 3 points; "C", 2 points; "D", 1 point; and "E", no points. A minimum average of "C", or standing of 2.00, must be maintained for any undergraduate degree or certificate. This minimum requirement for graduate students is an average of "B", or standing of 3.0.

Honors

Honor Roll. At the close of each semester a list of honor students is released and publicized by the Registrar's Office. Students whose names appear on this list are given special consideration in making their class schedules, as well as in other appropriate ways, and are recognized in a special assembly program during the second semester.

To be eligible for the Honor Roll a Student must—

1. Have carried a full-time load (at least 12 hours) of undergraduate work, and
2. Have earned a standing of 3.0 (average of B) for the term involved.

Graduation with Honors. Students who do outstanding academic work are graduated with honors. The honors are: *With Distinction* and *With High Distinction*.

To qualify for the baccalaureate degree with honors—

A student who has been in residence at Morehead for two years (a minimum of 64 semester hours) must earn a quality-point standing of 3.40-3.59 to receive the degree *With Distinction*. To receive the degree *With High Distinction* the quality-point standing must be 3.60-4.00.

Students who have been in residence at Morehead for less than two years (a minimum of 64 semester hours) are not eligible for the degree with honors.

When determining quality-point standing only work completed at Morehead is considered.

Honors Program

Admission to the program is granted on the basis of the high school record, the accomplishment on the freshman and sophomore tests, the grades made in college, and the opinions of instructors. Outstanding students are invited to participate in the program during their junior and senior years.

Eligible students transferring to Morehead with advanced standing may be considered for the program after one year of residence (36 weeks and 32 semester hours).

The student enters the program voluntarily and is permitted to remain in the program so long as he participates to the satisfaction of the Honors Committee and so long as he earns a minimum mark of "B" in all courses taken. (In the event that a student falls below the mark of "B" in a course, he may appeal to the Honors Committee.)

Each student in the program is assigned an individual adviser from the department or division in which he is doing his major work.

The Honors Student is permitted to enroll for any amount of work he cares to schedule but he is held to the general regulations concerning the dropping of courses.

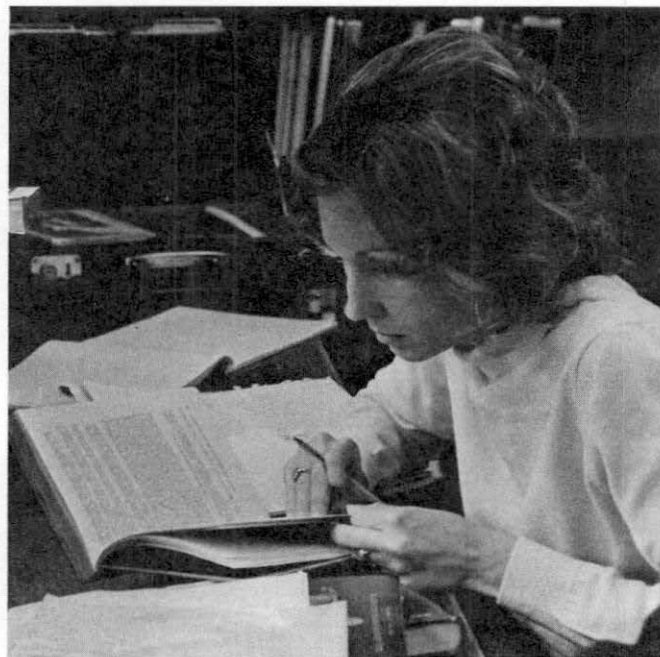
Academic departments are authorized to modify the departmental content requirements for Honors Students, provided the minimum quantitative requirements for graduation and/or certification are observed. (This authorization means that the department may require different courses or may require a different type of experience for Honors Students.)

Honors Students enrolled in regular classes are permitted to attend classes as they choose but, in any event, they are expected to take all tests and examinations required of other students. If they choose to be irregular in class attendance, it is understood that when attending they are not to raise questions already given attention in the class. (This provision does not apply to courses in which participation in class activity constitutes the essential value of the course, e.g., applied music, activity courses in physical education, skill courses in business, etc.)

Students in the Honors Program are expected, under the guidance of their adviser or other member of the faculty who may be qualified for the particular assignment, to carry on significant portions of their work on an individual basis (other than the usual type of class activity). By this means these students are able to explore their own interests more extensively and pursue these interests to a greater degree than would be possible in the typical classroom situation.

Honors Students are expected to participate in a minimum of two honors seminars for a total of six semester hours. These seminars may be chosen from a variety of seminars offered and may be taken in any semester during the junior and senior years. However, each student is allowed to enroll for one seminar only in the school of his major. Each seminar carries three hours K credit each semester and may be counted either as elective or required credit depending upon the decision of the department or division concerned. The seminars may be used also as substitutes for general education courses upon agreement by the dean of each school involved.

Our current seminars include programs in which enrollment is small and a situation exists wherein students are allowed to discuss topics of interest to them and are given the opportunity to pursue topics on an individual basis. Field trips, either for the group or individual, are a basic part of the learning process in some seminars. Each course carries three hours K credit which not only allows sufficient time to pursue interest areas, but also assures the student that the Honors Program is an integral part of his requirements as a student.



Scholastic Probation

Any student making a standing of 1.5 or lower on a semester's work is placed on probation for the next semester in residence and his parents will be notified of his unsatisfactory work. The student will be dropped from school if he makes less than a 1.7 grade-point average during his next semester in residence.

An exception *may* be made to this general rule if the student is placed on probation at the close of the first semester and fails to make a standing of 1.7 the following semester. In this instance, he may apply for permission to attend the following summer term. If this permission is granted, the student's schedule of classes for the summer term must include those courses in which he made low marks during the academic year. If the student's total standing on work taken during the academic year and the summer term is 1.7 or better he will be removed from probation. If the student's total standing on work taken during the academic year and the summer term is less than 1.7 he will be dropped from school.

A student who is placed on probation at the end of the spring semester may remove himself from probation by earning a 2.00 grade-point average as a full-time student in the following regular summer session.

A student who has been dropped for poor scholarship may apply for readmission after the lapse of one semester. *Should* the student be readmitted he shall be readmitted on probationary status and be required to earn a 2.0 grade-point average as a full time student during the semester in which he enrolls. After being dropped for poor scholarship the second time he is not eligible for readmission.

Exceptions for Freshmen

A freshman who makes a standing of 1.5 or lower on his first semester's work is placed on probation for the next semester in residence. During this second semester the student is required to include in his schedule of classes those general education courses in which he made low marks during the first

semester. If at the end of the second semester the student has earned a standing of 1.7 or above on the work of the semester he will be removed from probation.

If at the end of the second semester the student has not earned a standing of 1.7 or above on the work of the semester and has not accumulated a total of 27 hours of credit during the academic year he may apply for permission to attend the following summer term. If this permission is granted, the student's schedule of classes for the summer term must be made up of those courses in which he has made low marks during the academic year. At the end of the summer term, if the student's total standing on the work of the academic year and the summer term is 1.7 or better he will be removed from probation. If at the end of the summer term his standing is not 1.7 but the student has accumulated 27 hours of credit, he *may* be given a third semester. If a minimum standing of 1.7 is not earned on the work of this third semester the student will be dropped.

Absences

When a student enrolls he is expected to attend all regular exercises of the University. Class absences seriously hinder scholarship and the cooperation of parents is requested in reducing absences to a minimum. Parents are, therefore, urged to refrain from asking permission for students to be absent preceding or following a holiday or to take frequent trips over the week-ends.

Students are required to be prompt and regular in class attendance and deliberate "cuts" are not excused. However, absences are excused* for the following reasons:

1. Illness. If the absence has been caused by illness, the student is expected to present to the instructor an excuse signed by the University Nurse, or a physician.
2. Representing the University. If the absence has occurred because the student was representing the University in a recognized activity—music, athletics, etc.—lists of such students are sent to the instructors by the Dean of Undergraduate Programs.
3. Authorized Field Trips. Lists of students participating in authorized field trips are sent to the instructors by the Dean of Undergraduate Programs.
4. Instructors are authorized to exercise their discretion in excusing absences for other causes. If the individual teacher feels that the absence is justified, the excuse is granted, otherwise the absence is considered as unexcused.

Cases of extended or repeated absence are reported to the Dean of the School in which the student is enrolled.

*If the absence is excused the student is permitted to make up any work that the instructor considers essential. This consideration is not given if the absence is unexcused.

Transfer of Credits from Junior Colleges

Morehead State University will accept by transfer the credits earned by students who have received an associate degree (based on a minimum of 60 and a maximum of 67 semester hours of college credit) from an accredited college and grant them junior standing. However, before receiving the baccalaureate degree, all transfer students must meet all of Morehead's requirements for this degree.

A maximum of 67 semester hours may be accepted from an accredited two-year college. The 67 hours shall include any work already completed in other institutions (including senior colleges) previous to the date of completion of work in the two-year college. When a student has a total of 67 semester hours from one institution or a combination of institutions, no additional work may be accepted for credit from a two-year college. The student is advised to check with the Registrar of this institution before enrolling for work in any two-year college after he has earned 60 semester hours.

Morehead State University will accept by transfer the credits earned by students who have not received an associate degree, provided the college from which the student transfers accepts the credits on its associate degree, and provided further that such credits meet all other requirements of transferred credit.

HOUSING

All full-time students are required to live on campus unless they are granted permission by the Dean of Students to live elsewhere.

Only full-time students are permitted to live in University residence halls; however, part-time students may make a request to the Director of Student Housing for permission to live in a residence hall.

Reserving Rooms in Residence Halls

Anyone desiring to room in one of the University residence halls must apply to the Director of Housing and enclose a twenty-five dollar deposit to secure a room reservation. The deposit of twenty-five dollars is a "continuing housing deposit" and will be refunded at the time the student officially terminates (by graduation, withdrawal, etc.) his residence in University housing, providing no damage has been done to the room or furnishings and the room key has been returned. Students who have been previously enrolled and have left the deposit on file, and who desire to live in the residence hall for any term, should make application to secure a room reservation before the start of that term and another deposit is not required.

It is advisable for prospective students to reserve rooms at the earliest possible date.

All assignments to residence halls are made by the Director of Housing, and room assignments are not completed until satisfactory arrangements for all University expenses are made with the Office of Business Affairs.

Hall and room assignments are not valid unless final admission to Morehead State University is received.

Dormitory Life

The University endeavors to make it possible for students to live in a wholesome atmosphere under good living conditions. The University provides pillowcases, pillows, sheets, and bedspreads and has these laundered. Students must furnish their own blankets, toilet articles, and towels. Students living in the residence halls are expected to care for their rooms and keep them clean and orderly. Each student is directly responsible for the room to which he is assigned. Students shall occupy only that space assigned by University officials. Prompt settlement for damages is required.

Each student who accepts a room assignment on campus is automatically subject to the terms of published or posted rules and regulations regarding campus and residence hall conduct. The same conduct is expected from each student as would be expected of him or her in a refined private home.

The University reserves the right to inspect all rooms at any time and for any purpose and students availing themselves of these rooms accept this condition.

Opening and Closing of Dormitories

Students are expected to arrive on the campus on or after the official opening time of the dormitories. If it is necessary to arrive before this official opening time, necessary arrangements should be made with the director of the dormitory involved.

Official closing time for the residence halls will be published several weeks in advance of holidays, vacations, and at the end of each semester. Students who find they must remain on the campus after the official closing time should make the necessary arrangements with the residence hall director. All residence halls will be closed during official vacation periods.

Rules Concerning Students Residing in Private Homes

All full-time students are expected to live on the campus unless they are granted permission by the Dean of Students to live elsewhere.

All students not living in their own homes, whether residing in the dormitories or in private homes or rooming houses, are subject to the regulations, control, and supervision of the University.

Students not residing in the dormitories are required to register their addresses with the Dean of Students prior to the day of registration and any student changing his address during a term must arrange for the change in advance with the Dean of Students and report the change to the Registrar.

Students living off-campus will make their own financial arrangements with regard to living expenses.



Housing For Married Couples

The University maintains housing for married students. The types of housing available are as follows: furnished studio-efficiency apartments, one-bedroom furnished apartments, either air-conditioned or non air-conditioned, two-bedroom unfurnished apartments, and one-bedroom furnished mobile homes. In addition a number of mobile home parking spaces are available.

Anyone desiring married student housing should make application to the Director of Student Housing.

There are places in the community where light housekeeping can be done. These may be rented furnished or unfurnished. Prospective students desiring such rooming facilities off the campus are advised to communicate with the Director of Housing in advance of their arrival, so that the best possible arrangements can be made.

What to Bring

Students expecting to room in the dormitories should bring the following articles: laundry bag, blankets, and necessary toilet articles including towels. The University provides pillow cases, sheets and bedspreads and has them laundered.

Boarding Facilities

Dining facilities are provided in the University cafeterias and grill.

Light housekeeping is not permitted in dormitory rooms. Any student violating this rule will be asked to leave his or her room and no room rent will be refunded.

SPECIAL**Student Automobiles**

Morehead State University has approved the policy of permitting any student who is enrolled at the University to operate a motor vehicle on campus provided the vehicle is properly registered with the Bureau of Student Affairs at Morehead State University.

Registration of motor vehicles will take place during class registration at the beginning of each term. A student registering a vehicle must have a valid driver's license and show evidence of ownership of the vehicle being registered. No student may register a vehicle owned and/or operated by another student who is not eligible for vehicle privileges. If a student brings a motor vehicle on campus during the semester, it must be registered with the traffic office.

The fee for registering an automobile on campus will be collected for the time period August-May of the academic year at Fall registration. The sticker will be good for both semesters.

Withdrawals

Students withdrawing from school during any semester or term must arrange for their withdrawal with the Dean of Students and the Dean of Undergraduate or Graduate Programs. No refunds will be made unless the withdrawal is made through the proper channels.

Physical Examination

Each student entering Morehead for the first time is required to have a medical examination by his local or family physician prior to admission. Each student sends the report of this examination, on a form supplied by the University, to the Dean of Students prior to entrance.

EXPENSES

Terms of Payment

Fees and room rent are payable at the time of registration. Checks should be made payable to Morehead State University.

Satisfactory financial arrangements must be made before registration is complete.

No degree, diploma, or transcript of credits, will be furnished to students until all financial obligations to the University have been paid. All previously incurred expenses to the University must be paid in full before a student may re-enter at the beginning of any semester.

Full-Time Fees

Tuition for full-time students (undergraduates taking 12 hours or more during fall and spring terms and graduates taking 9 hours or more in the spring and fall terms):

Tuition — Resident Undergraduate	\$210.00*
Tuition — Resident Graduate	235.00*
Tuition — Non-Resident Undergraduate	475.00*
Tuition — Non-Resident Graduate	500.00*

*All full-time students are entitled to the use of the student health services and receive the Trail Blazer. In addition, full-time fall and spring enrollees receive copies of the Raconteur and are admitted to the athletic events and the Concert and Lecture Series.

Part-Time Fees

Tuition for part-time students (fall and spring terms—undergraduates taking less than 12 hours and graduates taking less than 9 hours)

The registration fee for undergraduate students who are residents of Kentucky and enrolled for less than twelve hours of work is \$18.00 per semester hour. This fee for non-resident students is \$40.00 per semester hour.

The registration fee for graduate students who are residents of Kentucky and enrolled for less than nine hours of work is \$27.00 per semester hour. This fee for non-resident students is \$56.00 per semester hour.

Laundry Fee

Each dormitory student is charged a laundry fee of \$5.00 a semester which is payable at the time of registration. This fee covers the rental charge on sheets, pillowcases, and bedspreads furnished by the University and provides laundry services for them.

Special Events Fee

This \$10.00 fee is collected from each full-time undergraduate student each semester and the proceeds are used by the Student Council for the services and programs it provides for the students of the University. The fee is optional for part-time and graduate students.

Expenses for One Semester

	Kentucky Residents	Out-of-State Students
Undergraduate students		
Tuition — Full-time	\$210.00	\$475.00
Tuition — Part-time (less than 12 hours) per hour	18.00	40.00
Room rent (refer to rent schedule)	\$133.00—143.00	\$133.00—143.00
Laundry service	5.00	5.00
University post office box	1.00	1.00
Special events fee	10.00	10.00
Telephone centrex fee (if applicable)	12.00	12.00
Graduate students		
Tuition — Full-time	235.00	500.00
Tuition — Part-time (less than 9 hours) per hour	27.00	56.00
Expenses for Regular Summer Session		
Undergraduate students		
Tuition — Full-time	105.00	238.00
Tuition — Part-time (less than 6 hours) per hour	18.00	40.00
Room rent	71.00	71.00
Post Office Box fee50	.50
Laundry	3.00	3.00
Telephone centrex fee (if Applicable)	6.00	6.00
Graduate Students		
Tuition — Full-time	118.00	250.00
Tuition — Part-time (less than 6 hours) per hour	27.00	56.00
Expenses for Intersession		
Tuition — Undergraduate	18.00	40.00
Tuition — Graduate	27.00	56.00
Dormitory (per week)	9.00	9.00
Post Office Box Fee50	.50

Rent Schedule**Apartments for Married Students**

Studio	per month, includes utilities	\$60.00
One-bedroom	per month, includes utilities	70.00
Normal Hall	per month, includes utilities	75.00

Riceville

Two-bedroom	per month, plus utilities	40.00
Trailers	per month, includes utilities	75.00
Trailer Pad	per month	25.00

Dormitory Housing**Women's Residence Halls**

Allie Young Hall	per semester	\$133.00
Fields Hall	per semester	133.00
Thompson Hall	per semester	133.00
Mignon Hall	per semester	143.00
West Mignon Hall	per semester	143.00
East Mignon Hall	per semester	143.00
Mignon Tower	per semester	143.00
Palmer House	per half semester	71.50
Waterfield Hall	per semester	133.00
Nunn Hall	per semester	143.00

Self-Regulating Fee

In all self-regulated women's residence halls, a fee of \$10.00 per semester is charged to cover the added cost of administering and securing the halls.

Men's Residence Halls

Mays Hall	per semester	\$133.00
Butler Hall	per semester	133.00
Wilson Hall	per semester	143.00
Regents Hall	per semester	143.00
Alumni Tower	per semester	143.00
Cooper Hall	per semester	143.00
Downing Hall	per semester	133.00
Cartmell Hall	per semester	143.00

Post Office Box

A fee of \$1.00 is charged each semester for rental of a box in the University Post Office or residence hall.

Student Insurance (Optional)

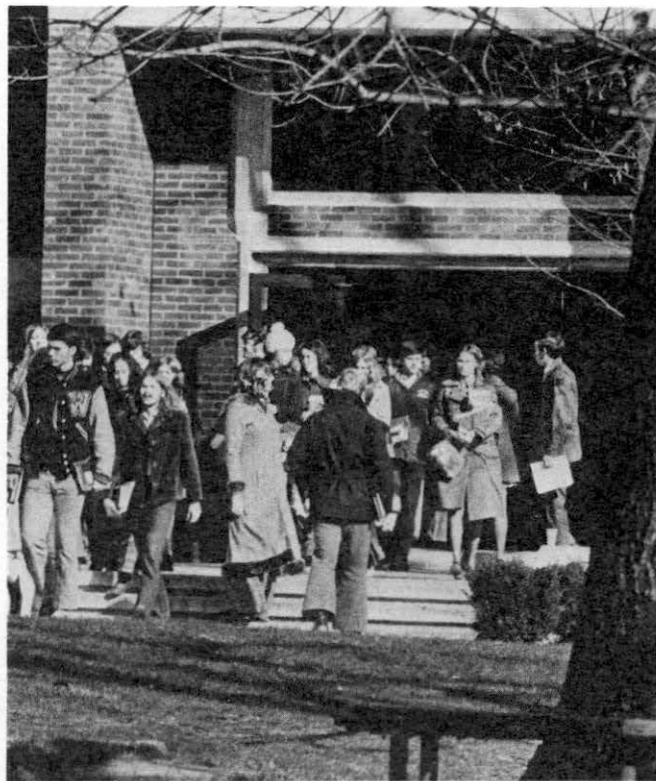
Morehead State University has an arrangement to offer students accident and medical insurance. Students may purchase accident insurance or accident and medical insurance when registering for each term. A student will not be eligible for medical insurance unless the accident insurance has been purchased.

Auto Registration

An automobile registration fee of \$10.00 is charged for the academic year (August – May).

Housing Deposit

Anyone desiring to room in one of the University residence halls must apply to the Director of Housing and enclose a twenty-five dollar deposit to secure a room reservation. The deposit of twenty-five dollars is a housing deposit and will be refunded at the time the student officially terminates (by graduation, withdrawal, etc.) his residence in University housing, providing no damage has been done to the room or furnishings and room key has been returned.



Music Fees

One half-hour private lesson per week per semester	\$20.00
Each additional half-hour private lesson per week, per semester	20.00
Practice room and organ fee	5.00
Instrument rental fee	3.00
Junior recital	25.00
Senior recital (one hour credit)	25.00
Senior recital (two hour credit)	35.00
Graduate recital	35.00

Under certain conditions, beginning students in applied music may be assigned to an undergraduate assistant for instruction. In this event, the lesson fee is one-half that charged for lessons with members of the music faculty.

Centrex

A charge of \$12.00 per semester for the use of the phone for the fall and spring terms and \$6.00 for the summer term will be assessed by the telephone company through the business office to residents of dormitories with Centrex service.

Other Expenses

The University maintains two modern cafeterias and a grill where food may be purchased at reasonable rates.

Books and necessary supplies may be secured at the University Store. Prices on these items are held at a minimum.

Special fees for Late Entrance and for Change in Schedule are explained separately in this catalog. Consult the index for page references.

Credit

No degree, diploma, or transcript of credits will be furnished a student until all financial obligations to the University have been paid.

All previously incurred expenses at the University must be paid in full before a student may re-enter at the beginning of any semester.

Refunds

Refunds of fees will be made as follows:

A student withdrawing for justifiable cause during the first week of school each semester will be refunded 75% of his fees, and within the second or third weeks will be refunded 50% of his fees, provided however, that the student is not a recipient of a loan, grant, or scholarship, in which case the refund will be made according to the provisions of the particular financial aid program.

No refund of fees will be made after the first three weeks from the beginning of classes.

All fees are subject to change without notice by action of the Kentucky Council on Public Higher Education and/or Morehead State University Board of Regents.

Residency for Fee Assessment Purposes

The Council on Public Higher Education for the Commonwealth of Kentucky, in accordance with Section 164.020(3), of the Kentucky Revised Statutes, has adopted the policy by which residency for fee assessment purposes is defined and determined. The policy is applied to determine a student's eligibility for fees assessed Kentucky residents who enroll at any state-supported institution of higher learning in the Commonwealth of Kentucky. This determination is made at the initial time of enrollment.

Every student who is not a resident of Kentucky as defined by the policy enacted by The Council on Higher Education is required to pay non-resident registration and/or entrance fees.

Any student or prospective student in doubt concerning his residency status must bear the responsibility for securing a ruling by completing an Application for Student Residency Reclassification for Fee Assessment Purposes and returning it to the Non-Resident Fee Committee, c/o Director of Admissions, Morehead State University. The student who becomes eligible for a change in residence classification, whether from out-of-state to in-state, or the reverse, has the responsibility of immediately informing the Office of Admissions of the circumstance in writing.

Procedure for Determination of Student Residency Status for Fee Assessment Purposes

- (1) The decision whether a student is classified as a resident or non-resident student for fee assessment purposes will be made initially by the Director of Admissions in accordance with the policy adopted by the Council on Public Higher Education on August 9, 1972, entitled *Classification of Students for Fee Assessment Purposes at State-Supported Institutions of Higher Education*. In cases where the Director of Admissions desires, he may seek counsel from the Admissions Committee. The student will be notified of the decision regarding his/her residency status by the Director of Admissions.
- (2) If the student wishes to appeal the decision of the Director of Admissions and/or the Admissions Committee, he may do so by completing the *Application for Student Residency Reclassification for Fee Assessment Purposes* and submitting this application through the Director of Admissions to the Non-Resident Fee Appeals Committee. Once the Appeals Committee has made a final decision regarding the residency status of the appealing student, the student shall be notified of this decision in writing by the Director of Admissions.
- (3) If the applicant for a change in residence status is dissatisfied with the decision of the Appeals Committee, the applicant may request that his case be submitted by the Director of Admissions to the Executive Director of the Council on Public Higher Education for referral to the State Board of Review.

FINANCIAL AID

Morehead State University presents a broad program of financial aid. Since it is impossible for the University to supply the needs of all, students are urged to investigate outside sources of aid, and to consider the possibility of employing more than one type of aid to make up a "financial aid package." A fundamental prerequisite for aid eligibility is acceptance for admission to the University.

SCHOLARSHIPS

Students at Morehead State University who are in need of financial assistance and who have the ability to satisfactorily pursue a college curriculum are eligible for a scholarship. However, first consideration goes to those students who are graduated in the top 10 per cent of their high school classes.

Pre-Honors Scholarships

Entering freshmen who demonstrate unusual ability through scores made on tests and high school transcripts may be accepted for the Pre-Honors Program during their first and second years of study at Morehead.

Pre-Honors students will be granted academic scholarships in the amount of \$200.00 each year to be applied to their fees at the rate of \$100.00 each semester provided the student makes satisfactory academic and social progress.

Students who have participated in the Pre-Honors Program on scholarships and are admitted to the Honors Program as juniors will be continued on scholarships in the amount of \$200.00 each year to be applied to their fees at the rate of \$100.00 each semester at registration provided they make satisfactory progress.

Alumni Scholarships

A number of scholarships are awarded each year to outstanding high school seniors and MSU upper classmen who need financial assistance in order to attend Morehead State University. To apply for one of these scholarships an applicant must file a report of his high school record with the Office of Alumni Affairs by March 30 along with a scholarship application form which will be furnished upon request by the Director of Alumni Affairs.

Music Scholarships

A number of scholarships are offered in the field of music, and these are awarded to students who show proficiency in music. The amount of the stipend varies, depending on need, proficiency, and interest. These scholarships are administered by the Department of Music and applications should be made directly to the Head of the Department of Music, Morehead State University, Morehead, Kentucky.

Katherine Perlita Schmidt Memorial Band Scholarship Fund

The Katherine Perlita Schmidt Memorial Band Scholarship Fund was established by Mr. and Mrs. Glen Schmidt of Gypsum, Colorado, in memory of their daughter, Katherine. Immediately prior to her accidental death in 1967, Katherine Schmidt was a member of the Western State College Band, conducted by Dr. Robert Hawkins. Monies from this fund are used for scholarships to Morehead State University band members.

Debate, General Speech, Theatre, and Radio—TV Scholarships

Scholarships in the Division of Communications are given in debate, general speech, theatre, and radio—TV. These scholarships provide \$100.00 per semester. All scholarships require the recipient to maintain not less than a mark of "B" in the major field and not less than a "C" general average. The offer of these scholarships is predicated upon the expectation that recipients will participate actively in the programs in which the scholarships are offered.

Athletic Scholarships

A number of scholarships are offered to athletes. These awards are given strictly in compliance with the Constitution and By-Laws of the Ohio Valley Conference and the N.C.A.A. All applications for athletic scholarships should be made directly to the head coach of the sport in which the applicant is interested.

Other Scholarships

Button Memorial Scholarships—The Alumni of the Morehead Normal School, the forerunner of Morehead State University, provide for two scholarships which pay the regular college registration fees for two worthy students of their own choice. These scholarships were established in memory of Frank C. Button who served as president of both institutions.

Fenton T. West Scholarship Award—This award was established in memory of Dr. Fenton T. West, Chairman of the Division of Sciences & Mathematics from 1949 until his death in 1958. The award is presented each year by the faculty of the School of Sciences & Mathematics to science or mathematics majors who have excelled in scholastic achievement.

The Arla Alexander Art Supply Scholarship—This scholarship is given in the name of Arla Alexander, a local artist. The Alexanders because of their interest in students of art at Morehead State University have created this scholarship in the amount of \$50 to be awarded each semester. Students desiring to make application for this award should address their letters to the head of the Department of Art.

Naomi Claypool Art Scholarship—This scholarship is given in honor of Mrs. Naomi Claypool, who was the Art Department head from 1925-1965. This scholarship is in the amount of \$50, and is given each semester by Kappa Pi Art Fraternity in honor of Mrs. Naomi Claypool. The award is given to a student enrolled at Morehead State University who has a 2.5 overall average and a 3.0 average in Art. Applications should be made to Kappa Pi Art Fraternity.

Agriculture Club Scholarships—The Morehead State University Agriculture Club has established two scholarships to be awarded each year to outstanding prospects in the field of Agriculture. The scholarships will pay the students' registration and incidental fees each semester. Application forms may be secured from the Agriculture Department, Morehead State University, Morehead, Kentucky. Applications should be on file by April 30 of each year.

Ross C. Anderson Scholarship—The Ross C. Anderson Scholarship is awarded to an outstanding business student at the beginning of the senior year. The scholarship is given in memory of Ross C. Anderson, who was a member of the business faculty from 1938 until his death in 1961. The recipient, who is selected by the business faculty on the basis of scholarship and financial need, receives \$50.00 a semester for two semesters. The money for the scholarship is furnished by the Kappa Zeta Chapter of Phi Beta Lambda and other donations.

The Mocabee Scholarship—Mr. W. D. Mocabee of Greenup, Kentucky, has established a scholarship fund at Morehead State University for the graduating seniors of the Greenup County High Schools. One graduating senior is selected from each of the schools in Greenup County by the authorities of the high schools. The recipients of these scholarships receive a stipend of \$200.00 per year to be applied to their expenses as students at Morehead State University.

Agriculture Club Scholarship—The Morehead State University Agriculture Club has established a scholarship to be awarded each year to an entering freshman planning to major in agriculture. The scholarship is awarded in the amount of \$240.00, payable at the rate of \$120.00 for each semester of the freshman year. Application forms may be secured from the Head of the Agriculture Department, Morehead State University, Morehead, Kentucky and applications should be on file by April 30 of each year.

M.S.U. Student Home Economics Association Scholarship—The Morehead State University Student Home Economics Association grants two or more scholarships of \$100.00 each year to outstanding students in the field of home economics. Active membership in the Association for one or more semesters is a requirement for application.

Patti Bolin Scholarship—Established in 1971 by graduates of the Home Economics Department, faculty, and friends to honor Patti Bolin upon her retirement. It is conferred upon a junior in Home Economics Education each year. The recipient is chosen by the scholarship committee and sponsors of the M.S.U. Student Home Economics Association after a minimum of one year of active membership.

The Tamzene Shay Dow Memorial Scholarship—Is given by David H. Dow in memory of his wife who was a home economics graduate of Morehead State University. Each year an award of \$100.00 is made to one junior and one senior student who is enrolled in the Vocational Home Economics Area of Concentration.

Regional Science Fair Scholarships—Pre-Honors Scholarships are awarded to both first and second place winners in the Northeast Kentucky Regional Science Fair competition, which amounts to \$200 per year to each recipient. If the students meet the academic requirements they will be admitted to the Honors Program.

Red-Hed Oil Company Scholarship—Mr. and Mrs. Alexander Fassas will provide a scholarship of \$240.00 (\$120.00 each semester) for the academic year to a graduating senior of the Rowan County High School. Recipients are selected on the basis of their academic ability and financial need.

EDUCATIONAL OPPORTUNITY GRANTS

This federal program provides funds for students of proven scholastic ability and exceptional financial need. Amounts of the grants—between \$200 and \$1,000 per year—are determined by family income and other aid available to the students. These grants are renewable each year the student is in college, providing he makes a satisfactory academic standing.

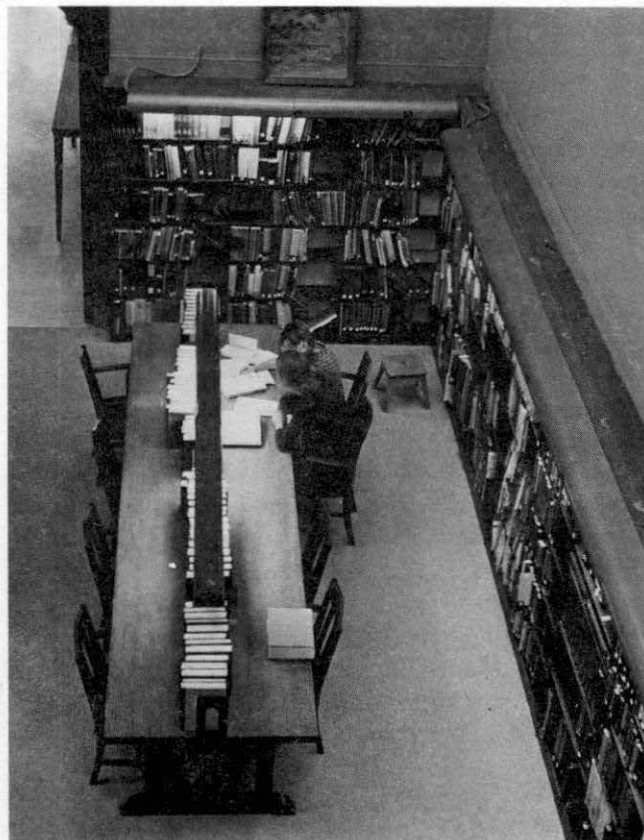
NURSING PROGRAMS

Scholarships

Scholarship awards are available to eligible students in the Department of Nursing. The purpose of the program is to assist students of exceptional financial need, and proven academic ability, to pursue a course of study leading to a career in nursing.

Loans

A student enrolled in the Nursing Program is eligible to borrow up to \$1,500.00 per year, at an interest rate of 3 per cent annually to help defray the cost of education. This loan program provides for students to cancel up to 50 per cent of their loans if they are employed as full-time nurses, and up to 100 per cent if they are employed in an area which has a substantial shortage of nurses.



LOANS

Federally Insured Student Loans

The federally insured student loan program provides for students to apply for loans from participating lending institutions to help pay educational costs. These loans are insured by the federal government and in the event of a student's failure to pay, the lender will be reimbursed 100 per cent of the unpaid principal balance of the loan. Repayment of the loan is over a period of from five to ten years beginning the year a student ceases to be enrolled on at least a half-time basis at any eligible institution.

National Direct Student Loans

The National Direct Student Loan Program is financed jointly by the federal government and the colleges and universities from which the money is borrowed. At Morehead, these loans are awarded on the basis of scholastic ability and proven financial need. Ranging from \$200 to \$300 per semester, these loans are renewable each semester the student is in college, so long as a satisfactory academic standing is maintained. Interest at the rate of three per cent per annum starts to accumulate nine months after the student leaves college, and payments on the principal fall due quarterly for ten years.

WORK-STUDY PROGRAMS

Federal

The federal work-study program permits a student with limited family resources to work a maximum of 12 hours per week at the rate of \$1.60 an hour. The student will work at an assigned job on campus and earn \$19.20 per week while pursuing a full course of study.

Institutional

The University makes it possible for a number of students to earn a part of their expenses, such as board or room rent, or both, by doing various kinds of work. The work opportunities available are in the cafeteria, dormitories, offices, bookstore, college post office, farm, and various buildings.

SPECIAL

Veterans Administration Fund

Financial assistance under the Veterans Administration Program is available to applicants who have been discharged from the armed services since January 31, 1955. Also, applicants who are dependents of deceased veterans with service-connected death or who are dependents of veterans rated with 100% service-connected disability should also apply for financial assistance.

Vocational Rehabilitation

Grants-in-aid may be obtained by students with physical disability through the Kentucky Bureau of Rehabilitation Services, which is supported by federal and state appropriations.

Local Sources of Employment

The Commonwealth of Kentucky maintains an Employment Service Division of the Department of Economic Security at 118 Bradley Avenue, Morehead, Kentucky. Students desiring local employment should contact that office.

SPECIAL INFORMATION FOR NEW STUDENTS

1. How am I admitted?

Graduates of high schools accredited by the Kentucky State Board of Education are admitted without examination. No specific high school courses are required by the University for admission. You must meet the graduation requirements of your high school. There is no admission or application fee. Graduates of high schools in states other than Kentucky, high school juniors, Kentucky residents who have not graduated from high school, transfer students, and others are eligible for admission to the University. For these special provisions, see section on Admissions.

2. May I transfer to Morehead State University from another college or university?

You may, if you present a statement of honorable dismissal from the college or university you previously attended, and if you can meet the admission requirements.

3. When do I apply for admission to Morehead State University?

The earlier, the better—for all concerned, especially if you plan to apply for financial aid.

4. What forms must I submit?

In addition to the application form, students who desire to be admitted to MSU should submit or arrange to have submitted their American College Test (ACT) scores, a health form, high school or college transcripts, and the recommendation form which is completed jointly by the student and a responsible school official. Financial aid forms should also be requested, filled out completely and submitted to the Director of Financial Aid, if a student intends to request financial assistance.

5. Where can I write to secure additional information or admission forms?

Director, University Services, Morehead State University, Morehead, KY 40351.

6. May I visit the campus?

Visitors are always welcome at MSU. To get the best idea of the campus atmosphere and activities as well as to see our modern facilities, you should try to schedule your visit while school is in session. Saturdays also bring many visitors to the campus of MSU. A guided tour may be arranged by contacting the Director of University Services in advance of your visit.

7. What can I study at MSU?

Academically, the University has grown to six schools — Applied Sciences and Technology, Education, Business and Economics, Humanities, Sciences and Mathematics and Social Sciences.

Five associate degrees are offered at Morehead State University in twenty-four areas; six bachelor degrees are offered in sixty different areas. Pre-professional programs can be found in ten areas and Morehead State University offers two one-year certificate programs.

At the graduate level, eight master's degrees are offered in sixteen separate areas. Rank 1 certificates can be obtained in eight areas. Morehead State University also offers a fifth-year program and participates in a joint doctoral program with the University of Kentucky. A specialist degree is offered in three areas.

8. What if I am undecided on my educational objective?

A majority of the students who enroll at MSU are undecided regarding their academic and career goals. A faculty adviser is assigned to each student. Your adviser will assist you throughout your career in finding the educational and vocational objectives which are best suited to you.

9. What is the academic load for freshmen?

The normal academic load at MSU is 16 hours a semester. This means you can expect to spend that many hours in class each week. You and your adviser will arrange a schedule which will include the number of hours you will take as well as times these classes meet. You will not have any Saturday classes.

10. What courses will be required?

The fundamental philosophy of Morehead State University is that every University student should have a well-coordinated general educational background which will serve as the basis for future intellectual, emotional, and physical development. Toward the end, you will select courses from a variety of areas which cut across the broad fields of the humanities; sciences and mathematics; social sciences; health and physical education. This selection varies with the interests and academic aims of each individual student. You should make every effort to speak with individuals in the various academic departments to find out more about the requirements of each program of studies and the career potential related to each area.

11. Can I get assistance in adjusting to university life?

The University provides a Special Services Program which is designed to maximize the student's opportunity for a successful college experience; to assist in acquiring additional basic communication skills; improve grade-point average through a comprehensive tutoring program; to offer counseling and guidance in the emotional, social, and academic adjustment to university life.

12. What extracurricular activities are available?

Students on the MSU campus engage in more than 100 extracurricular activities. The number and variety of these activities reflect the interests of the student body. The probability is high that whatever your particular interests may be, you will find several activities into which you may put your time and energy. There are academic groups you may want to join as well as honorary, service, and social organizations.

Many students at MSU find challenges in such extracurricular activities as music, sports, drama, publications, debate, scuba diving, broadcasting, judo and student government.

13. Does MSU have fraternities and sororities?

A score of national fraternities and sororities maintain chapters on the MSU campus. They are Alpha Omicron Pi, Chi Omega, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Sigma Sigma, Zeta Tau Alpha, Chi Phi, Delta Tau Delta, Kappa Alpha Psi, Lambda Chi Alpha, Phi Delta Theta, Pi Kappa Alpha, Pi Kappa Phi, Sigma Gamma Sigma, Sigma Phi Epsilon, Sigma Pi, Tau Kappa Epsilon, and Theta Chi.

14. Does MSU have an active intramural program?

Total participation of 5,000 students in 22 indoor and outdoor sports—both individual and team—supports the idea at MSU that intramural sports are an integral part of the University experience.

15. What about varsity sports?

MSU competes in twelve sports on an intercollegiate basis. In seven of these sports, MSU competes in the Ohio Valley Conference, of which the University is a charter member. If you want to participate, contact the coach of the sport in which you have an interest. MSU is a member of the National Collegiate Athletic Association.

16. What are the opportunities for religious life?

Student religious organizations include the Baptist Student Union, Catholic Student Center, United Campus Ministry, and Wesley Foundation. Eleven different churches have congregations in the community of Morehead and all cordially invite students to become involved in their activities.

17. May I bring an automobile?

All students at MSU are permitted to own and operate automobiles on campus. The student must show proof of ownership and a valid driver's license. An automobile registration fee of \$10.00 per year is payable when a student pays his fees at registration.

18. Does MSU have an honors program?

Outstanding students are invited to participate in the MSU honors program during their junior and senior years. A student in this program may schedule any amount of work he feels capable of handling, and may attend classes as he chooses. He is expected to carry on significant portions of his work on an individual basis.

19. How do I request residence hall accommodations?

An admission form does not secure a room reservation. A deposit of \$25.00 must accompany the application for campus housing.

20. How many people share a room in the residence halls?

Freshman students are assigned two to a room at MSU. Upperclass women are assigned to beautiful suites which accommodate three or four persons.

21. May I choose my own roommate?

Yes, if you make your choice known to the Director of Housing. You and your chosen roommate should list each other's names on your respective residence hall applications.

22. How are residence hall rooms furnished?

All the essentials are there--bed, chair, study table, lights, mirrors, closet and drawer space, and window shades. You may wish to make minor additions. Refrigerators are also available on a rental basis in several residence halls.

23. Does the University have cafeteria facilities for students?

MSU maintains a variety of modern food service facilities on the campus. The main University cafeterias are located in the Adron Doran University Center and Alumni Tower. These cafeterias, serving a wide variety of reasonably priced items, are open for breakfast, lunch and dinner. In addition, University grills are also located in the Adron Doran University Center and Alumni Tower and serve snacks and sandwiches throughout the day until 10 p.m.

All University residence halls have vending and self-service facilities.

Each meal is paid for on a cash basis as a student goes through the cafeteria line.

Special diets are available for students whose needs would require this service. Arrangements should be made through the Director of Food Services.

24. Can I get financial assistance?

Morehead State University offers a broad and comprehensive program of financial aid. Scholarships, awarded on the basis of particular ability or potential, either academic or athletic, are offered in a variety of areas.

Various loans, grants, and the work-study program are available as sources of aid to students who demonstrate financial need. Financial need is determined on an individual basis according to such factors as: family income, family resources, and number of people in the family. Students are also encouraged to investigate sources of aid outside the University such as: community group scholarships, federally insured bank loans, G.I. Benefits, and rehabilitation grants.

A fundamental prerequisite for aid eligibility is acceptance for admission to MSU, a student can not be considered for financial aid until he has been accepted for admission. You should contact the Director of Financial Assistance if you have any questions regarding Financial Aid.

25. What is offered for persons not wishing to attend college for four years?

Five associate degrees in 24 areas, which may be earned in two years, and two certificates, which may be earned in one year, are granted for a wide variety of programs. (See section on Academic Information.)

These programs offer students all the advantages of college facilities and atmosphere yet enable them to receive the preparation and training necessary for their particular vocational interests and goals, which may not require a degree at the baccalaureate level.

26. What if I received my Associate Degree and worked for a few years and then decided to come back to school?

This would present no problem, for an additional two years of work beyond your Associate Degree would enable you to receive a Bachelor's degree. One year's work beyond a certificate would allow you to complete the requirements for an Associate Degree.

27. What type of entertainment comes to MSU?

Through the Concert and Lecture Series and through the Student Government Association Entertainment Committee, students at MSU have opportunities to enjoy entertainers who are selected to appeal to a wide variety of tastes. An idea of the entertainment available at MSU can be gleaned from these lists from two recent years.

1970-71

Ray Charles
Lado, Yugoslav National Dance
and Folk Ensemble
Tom Noel as "Mark
Twain at Home"
Ferrante and Teicher
Edmonds and Curley
Little Anthony and the
Imperials
The Association
The New Christy Minstrels
Delphonics
Ned
The James Gang
McKendree Spring
Mason Proffit
Jimmy Spheris
Richie Havens
Ralph Nader

1971-72

Friends of Distinction
Linda Ronstadt
Earl Scruggs Review
Rare Earth
James Cotton Blues Band
Roberta Flack
Young-Hold Unlimited
Nitty Gritty Dirt Band
Denny Brooks
Apple Butter Band
Seatrain
George Carlin
Jesus Christ Superstar
5th Dimension
Supa
Bill Cosby
Ides of March
Bee Gees
Bloodrock
Silverman
David Olney
Arthur Goldberg (Concert &
Lecture Series)

SERVICES AND ACTIVITIES

Student Responsibility

When students enroll at Morehead State University, they enjoy social, cultural, and educational opportunities. They also assume the role of citizens of the University community and agree to abide by the regulations and standards of conduct operative in that community. Assuming the role of citizens of the University community implies a positive responsibility toward the well-being of the entire life of that community. The University, through cooperation among students, faculty and administrators, has developed the necessary committees to aid in the smooth functioning of University procedures and regulations.

The governing body of the Morehead State University Student Association is the Student Congress, which serves to help students achieve a closer working relationship with other elements of the University community. Students appointed by the Congress participate on every major University committee. These include the Administrative Council, Admissions Committee, Student Life Committee, Undergraduate Curriculum and Instruction Committee, Athletic Committee, and Public Affairs Committee.

Guidance and Counseling Services

Morehead State University provides its students with guidance and counseling services in the Special Services for Students Center and the Bureau of Student Affairs. This is in addition to the services provided by the Testing Center, the academic department of Counseling and Educational Foundations, and the Department of Psychology and Special Education. Faculty advisers assist with scheduling and educational decisions on an individual basis. To assist students in their academic and social adjustment to university life the services of academic tutoring, career and occupational counseling, personal counseling, study skills, a writing laboratory and developmental reading are provided through the Special Services for Students Program. In cooperation with the University Testing Center, trained professional counselors interpret tests which will assist the student in determining career goals. Professional psychologists help with the diagnosis and therapy of students having exceptional mental health problems. Students with special situations — as those from foreign lands, physically handicapped, or those having a deficiency in educational opportunity — have assistance available at the University. Two programs, Operation Second Chance and the Special Freshman

Program, are conducted on an individual basis during the summer term to assist students in overcoming academic difficulties. Help with financial problems, housing, and day-to-day problems is available through the various offices in the Bureau of Student Affairs.

The Testing Center

The University Testing Center is located in Room 501 of the Education Building. Modern facilities provide space for individual and group testing. Testing services are available to students, faculty, and adults on and off campus. Regionally, scoring services in achievement testing are provided for the public schools.

Specific testing programs include the American College Testing Program, the General Educational Development Tests, the Graduate Record Examinations, the National Teacher Examinations, the Miller Analogies Test and various tests in personal-social adjustments.

Testing services are available on request or by referral. Qualified personnel assist in test-training sessions for counselor education and guidance activities.

Health Services

The University Infirmary is located on the lower floor of Fields Hall. Medical service for the students of Morehead State University is provided under the supervision of the Morehead Clinic. Medications and treatments are provided by the physicians associated with the Morehead Clinic and by the general practitioners in the area. A physician's assistant is assigned to the Infirmary to interview, examine and treat patients in consultation with the physicians at the Morehead Clinic. A laboratory is maintained in the Infirmary in which a variety of diagnostic laboratory tests are performed.

The University Infirmary has nurses on duty around the clock to provide excellent medical service for the students of Morehead State University.

Patients with life-threatening conditions and serious injuries are taken directly to the Saint Claire Medical Center, a modern and complete hospital.

Student Health Insurance

The University, through a sound insurance firm, makes available to the students on a voluntary basis, a group insurance plan covering accidents and sickness. The student may purchase the policy covering only accidents or the policy covering accidents and sickness. The policy covers both the doctor's fee and hospitalization. It has the usual limits that most policies contain. The policy holder is protected at home, at school, or while traveling. This insurance may be purchased during registration.



Entertainment and Cultural Events

Students at Morehead State University can expect during a year a variety of entertainment and cultural events to be brought to the campus. The primary mechanisms for this are the Concert and Lecture Series and the Student Government Entertainment Committee.

Students finance the Concert and Lecture Series through activity fees. Outstanding nationally recognized speakers, entertainers, and concert artists are selected by a committee of faculty and students.

The Student Government Entertainment Committee administers the Student Government Special Events Fee to further the social and cultural enrichment program of professional entertainment on the Morehead State University campus.

Special Lectures

During the school year, prominent Kentuckians and eminent speakers from various sections of the country are invited to the campus to discuss subjects of vital concern to the University community.

Religious Environment

Eleven denominations maintain congregations in the city of Morehead. These include Baptist, Catholic, Christian, Church of Jesus Christ of Latter Day Saints (Mormon), Methodist, Presbyterian, Church of God, Episcopal, Church of Christ, United Pentecostal and Nazarene. In addition, a number of faiths maintain separate facilities near the campus for the benefit of University students. Many denominations are represented on the University faculty, who for the most part have their memberships in the Morehead churches.

Awards and Prizes

During the month of April each year, two special convocation programs are held at which time students who have excelled in the various types of college activities are recognized. One of these programs is devoted to recognizing academic accomplishments and all divisions of the college present one or more awards to outstanding students in their fields of interest. At the second program recognition is given to those individuals and groups who have excelled in various phases of the extra-curricular program.

Night and Saturday Classes

Morehead follows the practice of scheduling a number of classes at night and on Saturday. These courses carry residence credit. No in-service teacher is permitted to earn more than five hours of credit during a semester, or ten hours during a school year, in any combination of residence, correspondence, or study center work.

Extension Courses

The University arranges to send instructors to teach courses off the campus when classes of desirable size can be organized. Students taking courses for extension credit must satisfy the same admission requirements as for courses taken on campus. If extension courses are taken for credit, not more than one-fourth of the credits presented for an undergraduate degree or certificate may be earned by any combination of correspondence and/or extension courses. The fee for undergraduate extension courses is \$15 for each semester hour of credit.

The University is also in position to offer a number of graduate courses in suitable study centers. Enrollment is limited to graduate students. The cost to the student is \$22 per semester hour.

Individuals interested in having extension classes organized in their localities should write the Director of University Services.

Correspondence Courses

Morehead State University also offers courses by correspondence. The fee for this work is \$15 a semester hour. A course taken by correspondence that has not been taken in residence will count toward the standing of a student. However, a course taken by correspondence may not be used to raise the standing of a student who is on probation, or who lacks the standing for admission to the teacher education program or to student teaching.

Anyone interested in correspondence work should write the Director of University Services for complete information.

Transcripts

All transcripts, official and unofficial, of a student's record at Morehead State University are issued through the Registrar's Office. Each official transcript bears the seal of the University and the signature of the Registrar. Unofficial transcripts do not bear the seal or signature and are stamped "Unofficial". A fee of twenty-five cents will be assessed for each unofficial transcript issued and unofficial transcripts will not be sent through the mail. Upon enrollment at Morehead State University, each student will be eligible for one, official transcript at no charge. A fee of \$1.00 will be assessed for each additional, official transcript issued to the student after he has received the initial, free one. A student will be eligible for a second, official transcript of his undergraduate record at no charge after he has completed a baccalaureate degree at Morehead State University. A student will be eligible for one, official transcript of his graduate record at no charge upon completion of requirements for a masters degree at the University.

Placement Service

Morehead State University maintains a Placement Service for graduating seniors and alumni. The service is voluntary, but all seniors are urged to utilize the service. Credentials for candidates are maintained in the Placement Center in Allie Young Hall. Many employers come to the campus in order to interview prospective employees.

Alumni Association

The Alumni Association is an organization composed of graduates of the University and is designed to stimulate interest in the University and her welfare. Active membership in the Association is available to all graduates of the University and former students who have attended Morehead State University for two years. Associate membership is available to parents of students and friends of the University which is awarded following a gift to the alumni fund. All members receive subscriptions to *Contact*, the MSU *Alumnus*, and other University publications.

The Alumni Association is currently involved in a concentrated program to provide funds for deserving and capable students needing financial assistance if they are to continue their education.

Publications

The MSU *Alumnus*, a magazine issued semi-annually and *Contact*, a newsletter issued bi-monthly by the departments of Alumni Relations and University Relations, are publications of general interest to alumni and other individuals interested in Morehead State University. Their purpose is to keep the general public informed of happenings at the University. Subscriptions to these publications are awarded to all active and associate members of the Alumni Association.

Publications

All publications produced by students with faculty or administrative advisers for consumption by students and others are under the supervision of the Committee on Student Communications Media.

Editorial staffs are selected, subject to the approval of the Committee on Student Communications Media, from among students who have shown a sense of responsibility in their academic and extra-curricular activities. Whenever practical, student editors are rotated or replaced each year to afford the widest possible student experience in such areas.

Unapproved student publications intended for student consumption will be subject to investigation by the Committee on Student Communications Media and to subsequent action as the committee recommends.

Athletics

Morehead State University competes in ten varsity sports—football, basketball, track, wrestling, swimming, cross-country, golf, baseball, tennis, and soccer. Scholarships are awarded to athletes at MSU in strict compliance with the Constitution and By-Laws of the Ohio Valley Conference and the National Collegiate Athletic Association.

The intramural program at Morehead State University has been developed around the principle that one's physical well-being is of great importance in the development of a well-rounded university experience. Realizing that every student cannot participate in the University's intercollegiate athletic programs, the Department of Recreation offers competitive intramural programs, both team and individual, in 22 sports.

STUDENT ORGANIZATIONS

HONORARY

Blue Key National Honor Fraternity
Cardinal Key
Cwens
Delta Tau Alpha
Gamma Beta Phi
Kappa Delta Pi
Kappa Omicron Phi
Kappa Pi
The National Society of Scabbard and Blade
Phi Alpha Theta
Phi Delta Kappa
Phi Mu Alpha Sinfonia
Pi Gamma Mu
Sigma Delta
Sigma Pi Sigma

RELIGIOUS

Baptist Student Union
Catholic Student Center
Student Association of the Church of
 Jesus Christ of Latter Day Saints
The Wesley Foundation
Westminister Fellowship

SERVICE

Association of the United States Army
Black Gospel Ensemble
Brotherhood
Campus Girl Scouts
College Young Republicans
Community and Student Volunteers
Cosmopolitan Club
Diving Eagles
Fellowship of Christian Athletes
Judo Club
Karate Club
M Club
Pershing Rifles
Raider Company
Soil Conservation Society of America
Student Council for Exceptional Children
Student NEA
Veterans Club
Weight Lifters Club
Young Democrats

ACADEMIC

The Accounting and Finance Club
The Agriculture Club
Alpha Beta Alpha
The American Guild of Organists
Archaeological Society
Beta Chi Gamma
Delta Sigma Pi
Forensic Union
Gamma Theta Upsilon
Geologic Society (Mu Gamma Sigma)
Industrial Education Club
The Latin Club
Le Cercle Francais
The Medical Technology Fraternity
Mental Health Society
Morehead Players
MSU Home Economics Association
Mu Phi
Mu Sigma Chi
Phi Beta Lambda
Philosophy Club
Political Science Club
Pre-Law Club
Prae-Medlicorum Honorary Fraternity
The Pre-Veterinary Medicine Club
The Recreation Society
Sigma Alpha Iota
SMENC
Spanish Club

SOCIAL

Women

Panhellenic Council (Coordinating Body)
Alpha Kappa Alpha
Alpha Omicron Pi
Chi Omega
Delta Gamma
Delta Sigma Theta
Delta Zeta
Kappa Delta
Sigma Sigma Sigma
Zeta Tau Alpha

Men

The Interfraternity Council (Coordinating Body)
Alpha Gamma Rho
Chi Phi
Delta Tau Delta
Kappa Alpha Psi
Lambda Chi Alpha
Omega Psi Phi
Pi Kappa Alpha
Pi Kappa Phi
Sigma Alpha Epsilon
Sigma Nu
Sigma Phi Epsilon
Sigma Pi
Tau Kappa Epsilon
Theta Chi
Theta Chi Kappa (Collegiate Knights)



Academic Information

**REQUIREMENTS FOR GRADUATION
DEGREES AND CERTIFICATES
COMMUNITY COLLEGE
GRADUATE STUDY**

REQUIREMENTS FOR GRADUATION

General Education Requirements

One of the fundamental beliefs of Morehead State University is that every university student should have a well-coordinated general education. This is the education that prepares for living, regardless of one's vocational or professional interests; it should develop a logical and discriminating method of thinking, lead to an appreciation of the fine arts, good literature, and the things in life that have lasting value, give an understanding of the social and economic forces that affect our lives, and provide an insight into the way in which each of the fields of learning has something to contribute to the fullness of life.

Accordingly, the selection of certain academic areas has been made from which courses are taken by all students. This selection includes 46 hours of work, most of which should be completed in the first two years of study, thereby leaving the last two years for concentrated attention to the individual student's field or fields of major interest.

The following GENERAL EDUCATION requirements will obtain for all bachelors' degrees:

I. COMMUNICATIONS

AND HUMANITIES

18 hours

A. A total of 9 hours in Composition and Literature (course sequence determined by English placement tests)

B. A total of 9 hours to be selected from at least 2 of the following 5 fields:

(1) Communication

Arts

(a) Drama

(b) Journalism

(c) Radio and Television

(d) Speech

(2) Fine Arts

(a) Art

(b) Fine Arts

(c) Music

(3) Foreign Languages

(4) Literature (limited to 3 hours)

(5) Philosophy

II. SCIENCES AND MATHEMATICS

12 hours

A. 3 hours in Physical Science (Chemistry, Geosciences, Physics, or related courses)

B. 3 hours in a Biological Science (Biology or related courses)

C. 3 hours in Mathematics

D. 3 hours of elective credit from Sciences and Mathematics

III. SOCIAL SCIENCES AND ECONOMICS

12 hours

A. A total of 12 hours from at least 2 of the following fields:

(This means that no more than 6 hours in any one field will apply to the General Education requirement)

(1) Economics

(2) Geography

(3) History

(4) Political Science

(5) Sociology

IV. HEALTH AND PHYSICAL EDUCATION

4 hours

A. 2 hours in Health

B. 2 hours in Physical Education activity courses

General Degree Requirements for the Bachelor's Degree

Candidates for the bachelor's degree must meet the following general requirements:

1. A minimum of 128 semester hours of prescribed and elective college credit.
2. An average standing of "C," or higher, on all work completed at this college.
3. Completion of an area of concentration of not less than 48 hours; or a major of not less than 30 hours and a minor of not less than 21 hours.
4. An average standing of "C," or higher, on the area of concentration, the majors, and minors completed as partial requirements for the degree.
5. At least three-fourths of the credit in residence in some standard college; at least one year in residence and one semester immediately preceding graduation in this institution. (One year in residence is interpreted as being two semesters, during which a minimum of 32 hours of credit will have been earned.)
6. Not less than 43 semester hours of work offered for the degree must have been earned in courses numbered 300 and above.

Specific Degree Requirements for the Bachelor of Science Degree

To qualify for the Bachelor of Science degree the student must earn credit for a minimum of 60 semester hours in a combination of the following areas: agriculture, biology, business, chemistry, economics, geoscience, home economics, industrial education, library science, mathematics, military science, and physics.

Requirements for the One-Year Certificate

Candidates for the certificate indicating successful completion of a one-year terminal program must meet the following general requirements:

1. Successful completion of a prescribed program.
2. An average standing of "C," or higher, on all work completed at Morehead.
3. A minimum of 16 hours of credit earned in residence at Morehead.

Requirements for the Associate Degree

Candidates for the associate degree must meet the following general requirements:

1. Successful completion of a prescribed program.
2. An average standing of "C," or higher, on all work completed at Morehead.
3. A minimum of 32 hours of credit earned in residence at Morehead.

Check Sheets

The Check Sheet is the approved program of required courses which a student must complete in order to satisfy graduation requirements.

Not later than the end of the sophomore year, all undergraduate students must have a Check Sheet on file in the Registrar's Office. The procedure for completing a Check Sheet is as follows:

1. Student secures the necessary blank area/major-minor forms and an unofficial transcript of his record from the Registrar's Office.
2. Student presents these forms to his advisor who will take the necessary action and forward them to the appropriate department head.
3. After they have been approved by the necessary department heads and school deans, the forms will be returned to the Registrar's Office.
4. Upon receipt of the forms, the Registrar's Office will complete an official Check Sheet for the student and mail it to him.

Applying for Graduation

Every student is expected to file an application for degree with the Registrar's Office at least one semester prior to the semester in which he plans to complete his graduation requirements. After the application has been filed, an evaluation to determine the student's eligibility will be made by the Registrar's Office. No student will be considered for graduation until he has filed an application.

A student must file an application for degree no later than three weeks prior to the end of the term in which he is to graduate in order to be considered for graduation.

Graduation

Morehead State University observes commencement exercises twice each year—at the end of the spring semester in May and at the end of the summer term in August. Students completing their degree requirements during either the fall semester or the spring semester have their degrees conferred during the May graduation. Students completing their degree requirements during either the intersession or summer terms are awarded their degrees during the August graduation. Graduating students who are unable to attend the commencement exercises must file a request to graduate in absentia with the Registrar's Office for approval at least two weeks prior to graduation.

DEGREES AND CERTIFICATES

The Associate of Applied Science Degree in

Agricultural Business	Graphic Arts
Farm Production	Technology
Technology	Machine Tool
Ornamental Horticulture	Technology
Drafting and Design	Vocational Industrial
Technology	Teacher Education
Electronics	Nursing
Technology	

The Associate of Applied Arts Degree in

Journalism	Radio-Television
Music	Broadcasting
Social Work	Recreation
	Teacher Aide

The Associate of Applied Business Degree in

Secretarial Studies	Computer
Office Management	Technology

The Associate of Arts Degree

The Associate of Science Degree

A certificate indicating successful completion of the one-year
Secretarial or Clerical Studies Programs

Meeting the entrance requirements of professional schools

The Bachelor's Degree and Provisional Elementary Certificate

The Bachelor's Degree and Provisional High School Certificate

The Bachelor of Arts or the Bachelor of Science Degree
without certification

The Bachelor of Business Administration Degree

The Bachelor of Music Degree

The Bachelor of Music Education Degree

The Bachelor of Science Degree with a Certificate in
Vocational Agriculture

The Bachelor of Science Degree and the Certificate in
Vocational Home Economics

The Bachelor of Science Degree and Certification in
Vocational Trade and Industrial Education

The Bachelor of Science Degree and the Certificate in
Vocational Business Education

The Bachelor of University Studies

The Bachelor of Social Welfare

Master of Arts in English, History, Psychology, Adult
Education, Physical Education, Art and Sociology

Master of Science in Biology, Chemistry, and Mathematics

Master of Business Education

Master of Music

Master of Arts in Education with emphasis on elementary
teaching, secondary teaching, guidance and counseling,
library science, special education, and reading

Master of Higher Education

Master of Business Administration

Specialist in Education Degree (Ed.S. Degree)

A joint doctoral program with the University of Kentucky

In addition, several post baccalaureate and post master's
programs are available for public school personnel.

COMMUNITY COLLEGE

Morehead Community College was established in 1966, by the General Assembly through enactment of House Bill (KRS 164.295 and KRS 164.580). This legislation granted Morehead State University authority to provide community college programs comparable to those listed for the University of Kentucky Community College System.

Employment trends indicate that during the decade of the 70's approximately fifty percent of all available job opportunities will be in semi-professional, technical and service oriented positions. Preparation for these jobs demands at least the minimum skills and education provided by two years of college (Associate Degree).

Morehead Community College, in order to meet the educational, cultural, and technical employment needs of students who do not plan to pursue four-year courses leading to the baccalaureate degree, has specifically designed a large number of one- and two-year programs which provide students with opportunities to:

1. Prepare for employment in technically related industry, business, agriculture and semi-professional positions
2. Meet entrance requirements of certain professional schools
3. Prepare for continued enrollment and transfer into a four year baccalaureate program
4. Complete the Morehead Community College program leading to a one-year certificate or an Associate of Arts Degree

Upon completion of the prescribed one-year program, students with an average of "C" or higher receive special certificates, and students completing a prescribed two-year program with a "C" standing or higher are awarded the appropriate Associate Degree. Credits earned in these courses, in most instances, may be transferred without loss to a four-year program if the student plans to complete requirements for the baccalaureate degree. Students enrolled in Morehead Community College have all rights and privileges extended to those enrolled in the senior colleges of the University.

Morehead Community College in cooperation with the respective colleges of Morehead State University offers the programs of study listed below. Several additional programs are under consideration and will be provided as they become available.

For additional information concerning these one- and two-year programs consult the following references in this catalog:

One-Year Programs Leading to a Certificate

Secretarial Studies
Clerical Studies

Two-Year Programs Leading to the Associate of Applied Science Degree

Agricultural Business
Farm Production Technology
Drafting and Design Technology
Electronic Technology
Electromechanical Technology
Food Service Technology
Graphic Arts Technology
Machine Tool Technology
Ornamental Horticulture
Vocational Industrial Teacher Education
Vocational Industrial Teacher Education
Nursing

Two-Year Programs Leading to the Associate of Applied Arts Degree

Journalism
Music
Social Work
Radio-Television Broadcasting
Recreation
Teacher Aide

Two-Year Program Leading to the Applied Business Degree

Secretarial Studies
Office Management
Computer Technology

Two-Year Program Leading to the Associate of Science Degree

Two-Year Program Leading to the Associate of Arts Degree

In addition to the several programs of study offered, Morehead Community College provides other educational opportunities and services to adults and students of the region. Included are:

Seminars, institutes, short term courses, and special programs for adults.

Advanced credit courses for high school seniors of the region.

Various community services in cooperation with community agencies and other schools of the University.

Information and guidance to prospective students in program selection, job opportunities, and personal development.

For additional information regarding programs and services offered by Morehead Community College, please contact the deans of the respective schools, department heads, or the director of the Morehead Community College.

GRADUATE STUDY

Morehead State University offers the following graduate degrees:

Master of Arts with majors in English, History, Psychology and Physical Education

Master of Science with a major in Biology, Chemistry, and Mathematics

Master of Music Education

Master of Music

Master of Business Education

Master of Arts in Adult and Continuing Education

Master of Arts in Education with emphases on elementary teaching, secondary teaching, guidance and counseling, library science, and special education

Master of Higher Education

In addition, several post baccalaureate non-degree programs are available:

A fifth-year program of 32 semester hours which qualifies Kentucky teachers for Rank II on the state's salary schedule and provides for renewal of the Provisional Certificate

A sixth-year program designed to qualify public school personnel for Rank I on the Kentucky salary schedule

Post-master's program for the certification of principals, supervisors, and superintendents

A joint doctoral program with the University of Kentucky

For information concerning graduate study at Morehead State University, students should secure a copy of the Graduate Bulletin from the Office of Graduate Programs.



SCHOOL OF

Applied Sciences and Technology

Charles F. Ward, Ed.D., Dean

AGRICULTURE

HOME ECONOMICS

INDUSTRIAL EDUCATION

NURSING AND ALLIED HEALTH

APPALACHIAN TECHNICAL INSTITUTE

The School of Applied Sciences and Technology became a part of the University structure on July 1, 1966 when the Division of Applied Arts was granted school status. As presently structured the School is comprised of four departments and the Appalachian Technical Institute. The four departments are: Agriculture, Home Economics, Industrial Education, and Nursing and Allied Health.

The objective of the School of Applied Sciences and Technology is to provide a comprehensive offering of programs which prepare graduates to enter and advance in technical occupations in agriculture, business, industry or the allied health field. The School attempts to relate its programs to the needs of potential employers in Kentucky and to the educational objectives and ambitions of the students in the region it serves. The broad range of programs offered include both the two-year technical and paraprofessional programs which lead to an Associate of Applied Science degree and the four-year baccalaureate programs which lead to a Bachelor of Arts or a Bachelor of Science degree. Graduate level work is also offered in the department of Agriculture, Home Economics, and Industrial Education. Programs which prepare students to become certified high school teachers are offered in Vocational Agriculture, Industrial Arts, and Vocational Home Economics, and Vocational Trade and Industrial Education.

The Appalachian Technical Institute

To meet an ever-increasing demand for technically trained personnel in Eastern Kentucky, Morehead State University has developed within the School of Applied Sciences and Technology the Appalachian Technical Institute. Completed and occupied in 1973, the technical institute building contains approximately 100 thousand feet of floor space and cost approximately \$3.4 million. Its five levels are comprised of two levels of parking facilities and three levels of classrooms and laboratories. The parking facilities were developed to encourage commuting students to avail themselves of opportunities for technical training in the institute. The Appalachian Technical Institute functions as an administrative unit for the one-and-two-year technical programs listed within the various departments comprising the School. It also provides educational services to the business and industry within the region through workshops, seminars and upgrading training for employees.



Department of AGRICULTURE

Charles Derrickson, Ph.D., Head

The Department of Agriculture has as its primary objective providing for students a full and broad understanding of the basic factors involved in the various fields of agriculture.

The curriculum is arranged so a student may receive many agriculture courses early in his program, in order that he may determine soon whether he has selected the field which is of major interest to him.

Many fascinating opportunities are available in business, education, and government for the agriculture graduates such as: farm management, marketing, machinery and equipment, chemicals, fertilizers, feed manufacturing, processing, radio, T.V., newspaper, magazines, service, processing, and farming.

CURRICULUM OFFERINGS AND REQUIREMENTS

The Bachelor of Science degree in agriculture is conferred upon the satisfactory completion of one of the programs in the department.

The Bachelor of Science degree offered by the department consists of options in: Agricultural Business, Agricultural Economics, Agronomy, Animal Science, Horticulture, or General Agriculture. An Agricultural Education program is provided for students interested in teaching Vocational Agriculture in secondary schools.

An Associate degree is offered for students who may not wish to complete a four year program. The Agriculture Department presently offers three technical two year programs: Agricultural Business, Farm Production Technology, and Ornamental Horticulture. These programs allow the student to select the type of production courses for the area of his training.

Requirements for an Area of Concentration

To receive a bachelor's degree with an Area of Concentration in Agriculture, the student must complete a minimum of 54 semester hours in the field of agriculture. Eighteen of these hours may be selected in a field of specialization such as Animal Science, Agronomy, Agricultural Business, Agricultural Economics, or Horticulture.

	Sem. Hrs.
Required courses in Agriculture:	28
101, 133, 251, 180, 203, 211, 215, 301, 316, and 471	
Electives in option approved by adviser	26
Minimum for Area	54
Additional Requirements:	
Chemistry 101 and 102	8

A. AGRICULTURE BUSINESS REQUIREMENTS

Students who select the option in Agriculture Business must complete the area core and Principles of Accounting I plus 23 hours in Agriculture and Business, including a minimum of 9 hours in Business. Electives must be selected from at least three of the following groups.

		Group I	Sem. Hrs.
Ag	302	Agricultural Finance	3
BA	252	Mathematics of Finance	3
BA	323	Financial Markets	3
BA	360	Corporate Finance	3
BA	364	Personal Finance	3
		Group II	
BE	363	Office Management	3
BA	410	Personnel Management	3
BA	465	Principles of Management	3
		Group III	
BA	350	Salesmanship	3
BA	450	Consumer Behavior	3
BA	451	Retail Merchandising	3
BA	455	Advertising	3
		Group IV	
BA	461	Business Law I	3
BA	462	Business Law II	3
		Group V	
Ag	303	Land Economics	3
BA	282	Principles of Accounting II	3
BA	383	Income Tax Procedure	3
BA	408	Risk Management	3

B. AGRICULTURE ECONOMICS REQUIREMENTS

Students who select this option must complete the area core plus 26 hours of requirements and electives in Agriculture and Economics. Requirements and electives are listed below.

Required Courses:			Sem. Hrs.
Econ	202	Principles of Economics II	3
Econ	350	Price Theory	3
Econ	351	Macroeconomics	3
			Total 9

Electives with consent of adviser:

Econ	301	History of Economics	3
Ag	302	Agriculture Finance	3
Ag	303	Land Economics	3
Econ	342	Money and Banking	3
Econ	343	Investment	3
Math	353	Statistics	3
Ag	403	Agricultural Policy	3
Econ	445	Economic Aspects of Government Regulation of Business	3
Econ	447	Introduction to International Economics	3

C. AGRONOMY REQUIREMENTS

Students who select the option in agronomy must complete the area core plus 26 hours of Agriculture approved by his adviser. Courses may be selected from the following list with the consent of the adviser:

			Sem.Hrs.
Ag	205	Farm Records	2
Biol	215	Botany	3
Ag	303	Land Economics	3
Ag	308	Principles of Weed Control	3
Ag	311	Soil Conservation	3
Ag	312	Soil Fertility and Fertilizers	3
Ag	334	Entomology	3
Ag	384	Forage Crops	3

Biol	513	Plant Physiology	3
Biol	514	Plant Pathology	3
Biol	550	Plant Anatomy	3

D. ANIMAL SCIENCE REQUIREMENTS

Students who select the option in Animal Science must complete the area core plus 26 hours of electives in Agriculture approved by his adviser. Courses may be selected from the following list.

			Sem. Hrs.
Ag	231	Livestock Judging	3
Ag	136	Principles of Dairying	3
Ag	237	Poultry Production	3
Ag	304	Genetics	3
Ag	331	Advanced Livestock Judging	3
Ag	334	Entomology	3
Ag	336	Dairy Cattle Feeding, Breeding and Mgt.	3
Ag	343G	Beef Production	3
Ag	344G	Swine Production	3
Ag	345G	Sheep Production	3
Ag	515	Animal Nutrition	4
Biol	525	Animal Physiology	3

E. GENERAL AGRICULTURE OPTION

Students following the general agriculture curriculum must complete the area core with at least 54 hours in agriculture that includes the minimum number of hours in the fields listed below:

		Sem. Hrs.
Agricultural Economics		9
Agricultural Mechanics		9
Animal Science		12
Plant Science		9
Soil Science		6

F. HORTICULTURAL REQUIREMENTS

Students who select an option in the field of Horticulture must complete the area core plus 26 hours in Agriculture. Selections may be made from the following courses with the consent of the adviser.

			Sem. Hrs.
Ag	304	Genetics	3
Ag	308	Principles of Weed Control	3
Ag	213	Landscape Gardening	3
Ag	214	Landscape Plants	3
Ag	216	Floriculture	2
Ag	312	Soil Fertility and Fertilizers	3
Ag	314	Plant Propagation	3
Ag	315	Fruit Production	3
Ag	320	Principles of Vegetable Prod.	3
Ag	321	Greenhouse Production I	3
Ag	322	Greenhouse Production II	3
Ag	325	Turf Management	3
Ag	334	Entomology	3
Biol	318	Local Flora	3
Biol	513	Plant Physiology	3
Biol	514	Plant Pathology	3
Biol	215	Botany	4
Chem	326	Organic Chemistry	4
IE	103	Technical Drawing I	3

G. VOCATIONAL AGRICULTURAL EDUCATION REQUIREMENTS

For a student to qualify to teach vocational agriculture in the public schools of Kentucky, he must complete an area of concentration in Agriculture with a minimum of six hours in each of the following fields:

- Agricultural Economics
- Agricultural Mechanics
- Animal Science
- Horticultural and Plant Science
- Soil Science

Sem. Hrs.

Additional requirements:

Ag	580	Methods in Teaching	
		Vocational Agriculture	4
Ag	582	Adult and Young Farmer Education	3
Ag	584	Teaching Vocational Agriculture	8
		Agriculture Elective	3
		Total	18

A student must have an overall standing of 2.50 in his major before he will be permitted to take Agricultural Education courses.

The student must be approved by the Agricultural staff and recommended for certification.

Requirements for a Major in Agriculture

Sem. Hrs.

Agriculture 101, 133, 180, 203, 211, 215,	
251, 301, 316, and 471	28
Electives in Agriculture approved by adviser	3
Minimum for a Major	31
Additional Requirements: Chemistry 101 and 102	8

Requirements for a Minor in Agriculture

Agriculture 101, 133, 180, 203, 211, 215, 471	18
Electives in Agriculture approved by adviser	3
Minimum for a Minor	21
Additional Requirements: Chemistry 101	4

Two-Year Program in Farm Production Technology

For students primarily interested in such fields as farm production, farm management, certain U.S.D.A. services and various other positions requiring technical proficiency in agriculture.

Required Courses in Agriculture:

Agriculture 101, 133, 180, 203, 211, 215, 301 and 316	24
Approved electives in Agriculture	24
Minimum in Agriculture	48

Additional Requirements:

Eng 101	3
BE 221 or Speech 110	3
Chem 101 and three hours electives in Science	7
Soc 170	3
Total Additional Requirements	16
Minimum Requirements for Degree	64

Two-Year Program in Agriculture Business

For students interested in a wide range of jobs in agricultural businesses, governmental agencies serving the farmer, sales and managerial aspects of the agricultural industry.

Required Courses in Agriculture:

	Sem. Hrs.
Agriculture 133, 180, 203, 211, 251 and 305	18
A. Animal Science option:	
To be selected from Agriculture 237, 316, 336, 343, 344, or 345	9
B. Crop Science option:	
To be selected from Agriculture 215, 311, 312, 314, 320, or 384	9
C. Agriculture Management option:	
To be selected from Agriculture 205, 301, 302, 303	9

D. Horticulture option:

To be selected from Agriculture 213, 215, 216, 315, 320, 321, or 334	9
Minimum in Agriculture	27

Additional Requirements:

BE 136, 211	7
BA 252, 300, 350	9
Accounting 281	3
Eng 101	3
Spch 110	3
Soc 170	3
Chem 101 and three hours electives in Science	7
Electives	2
Total Additional Requirements	37
Minimum Requirements for Degree	64

Two-Year Program in Ornamental Horticulture

For students interested in managing and supervising nurseries, commercial greenhouses, parks, golf courses and working with landscaping firms.

Required courses in Agriculture:	Sem. Hrs.
Agriculture 205, 211, 213, 214, 215, 216, 235, 308 314, 321, 322, 325, 326, 327, 350	46
Agriculture Electives	3
Minimum in Agriculture	49

Additional Requirements:

Eng 101	3
BE 136	4
Sci 105	3
Soc 170	3
IE 103	3
PE Activity	1
Minimum Additional Requirement	17
Minimum Requirements for degree	66

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and arranging their schedules. These suggested programs need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

**Bachelor of Science Degree with an Area of
Concentration in Agriculture (Non-Teaching)**
FRESHMAN YEAR*First Semester*

Eng	101	Composition I	3
Sci	105	Intro. to Biological Sci.	3
Ag	101	General Agriculture	2
Ag	133	Farm Livestock Production	3
		Elective	3
		Activity course	1
			15

Second Semester

Eng	102	Composition II	3
FA	160	Appreciation of Fine Arts	3
Ag	180	Elem. Field Corps	3
Math	152	College Algebra	3
HIth	150	Personal Health	2
		Ag Elective	3
			17

SOPHOMORE YEAR*First Semester*

Soc	170	Rural Sociology	3
Ag	215	Horticulture	3
Chem	101	General Chemistry	4
Math	141	Plane Trigonometry	3
Econ	201	Prin. of Economics	3
		Activity Course	1
			17

Second Semester

Geos	100	Physical Geology	3
Chem	102	General Chemistry	4
Spch	110	Basic Speech	3
Ag	237	Poultry Production	3
Ag	203	Agricultural Economics	3
			16

JUNIOR YEAR*First Semester*

Eng	202	Intro. to Literature	3
Ag	211	Soils	3
Ag	251	Intro. to Ag Mechanics	3
Ag	316	Feeds and Feeding Elective	3
			16

Second Semester

Ag	301	Farm Management	3
Ag	386	Farm Power and Machinery	3
Biol	209	Vertebrate Zoology	
		or	
Biol	215	Botany	3
		Humanities Elective	3
		Ag. Elective	3
			15

SENIOR YEAR*First Semester*

Ag	305	Marketing of Farm Products	3
		Ag. Area Requirements	6
Ag	471	Seminar	1
		Elective	3
		Social Science Elective	3
			16

Second Semester

		Social Science Elective	3
		Ag. Area Requirements	9
		Elective	4
			16

Bachelor of Science Degree with a Major in Agriculture (Non-Teaching)

FRESHMAN

First Semester

Eng	101	Composition I	3
Sci	105	Intro. to Biological Sci.	3
Ag	101	General Agriculture	2
Ag	133	Farm Livestock Prod.	3
		Elective	3
		Activity course	1
			15

Second Semester

Eng	102	Composition II	3
Geos	100	Physical Geology	3
Ag	136	Prin. of Dairying	3
Ag	180	Elem. Field Crops	3
Math	152	College Algebra	3
		Activity Course	1
			16

SOPHOMORE YEAR

First Semester

Soc	170	Rural Sociology	3
Ag	215	Horticulture	3
Chem	111	General Chemistry I	4
Hlth	150	Personal Health	2
		Social Science Elective	3
		Elective	2
			17

Second Semester

Eng	202	Intro. to Literature	3
Ag	211	Soils	3
Chem	112	General Chemistry II	4
Spch	110	Basic Speech	3
		Elective	3
		Activity Course	1
			17

JUNIOR YEAR

First Semester

		Social Science Elective	3
Ag	203	Agricultural Economics	3
Ag	316	Feeds and Feeding	4
Math	141	Plane Trigonometry	3
		Elective	3
			16

Second Semester

		English Elective	3
Ag	301	Farm Management	3
		Social Science Elective	3
		Electives	6
			15

SENIOR YEAR

First Semester

		Social Science Elective	3
Ag	471	Seminar	1
		Humanities or Comm. Elective	3
		Electives	8
			15

Second Semester

		Agriculture Elective	3
		Electives	12
			15

Provisional High School Certificate With Area of Concentration in Agriculture

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Ag	101	General Agriculture	2
Sci	105	Intro. to Biological Science	3
Ag	133	Farm Livestock Production	3
Psy	154	General Psychology	3
		Activity course	1
			15

Second Semester

Eng	102	Composition II	3
Math	131	General Math I	3
		Agriculture Elective	3
		Communications or Humanities Elective	3
Ag	180	Elementary Field Crops	3
		Activity course	1
			16

SOPHOMORE YEAR

First Semester

Chem	101	General Chemistry	4
Ag	251	Introduction to Ag. Mechanics	3
Soc	170	Rural Sociology	3
Eng	202	Introduction to Literature	3
Ag	215	Horticulture	3
			16

Second Semester

Chem	102	General Chemistry	4
Econ	201	Prin. of Economics	3
Ed	210	Human Growth & Development	3
Ag	316	Feeds and Feeding	4
HIth	156	Personal Health	2
			16

JUNIOR YEAR

First Semester

Ag	203	Agricultural Economics	3
Ag	211	Soils	3
Ag	350	Farm Power and Machinery	3
Ed	300	Intro. to Student Teaching	1
Spch	110	Basic Speech	3
		Soc. Science Elective	3
			16

Second Semester

Ag	301	Farm Management	3
Ag	312	Soil Fertility & Fertilizers	3
		Agriculture Elective	6
		Communications or Hum. Elective	3
			15

SENIOR YEAR

First Semester

PS	241	Gov't of U.S.	3
Ag	471	Seminar	1
Ag	585	Prin. and Phil. of Vocational Education	3
		Advanced Ag. Electives	6
		Advanced Electives	3
			16

Second Semester

Ag	580	Methods in Teaching Vocational Ag.	4
Ag	582	Adult and Young Farmer Ed.	3
Ag	584	Teaching Vocational Education	8
		Agriculture Electives	3
			18

PRE-VETERINARY CURRICULUM

The state of Kentucky is a participating member in the Southern Regional Board's Plan for the preparation of veterinarians. Students interested in becoming veterinarians may enroll in the Department of Agriculture at Morehead State University to complete their requirements for admission to the study of veterinary medicine. Each year Auburn accepts 14 students from Kentucky, and Ohio State accepts six Kentucky students. The state of Kentucky pays the out-of-state tuition for residence through the Southern Regional Education Board.

A total of 80 semester hours is required by Auburn with an average of at least 2.25. Ohio State requires a minimum of 68 semester hours. A grade of "D" in required courses will not be accepted by either of the Universities. The following curriculum is designed for both Auburn and Ohio State and may be completed in three years or less. The student should check with the adviser of the pre-veterinarian program when planning his program.

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Chem	111	General Chemistry I	4
Ag	133	Farm Livestock Production	3
Biol	208	Invertebrate Zoology	3
		Elective	2
		Activity course	1
			16

Second Semester

Eng	102	Composition II	3
Chem	112	General Chemistry II	4
Math	141	Plane Trigonometry*	3
Biol	209	Vertebrate Zoology	3
		Elective	2
PE		Activity Course	1
			16

SOPHOMORE YEAR

First Semester

Phys	131	Elementary Physics I	4
Hist	131	World Civilization I	3
Psy	154	Social Sciences or Hum. Elective	3
Math	152	College Algebra*	3
Ag	316	Feeds and Feeding	4
			17

Second Semester

Phys	132	Elementary Physics II	4
Hist	132	Western Civilization II	3
PS	241	Government of U.S.	3
Biol	317	Principles of Microbiology	4
Ag	304	Genetics	3
			17

JUNIOR YEAR

First Semester

Chem	326	Organic Chem. I	4
Math	175	Anal. Geom. & Cal. I	4
		Social Science or Hum. Elective	6
		Ag. Elective	3
			17

Second Semester

Chem	327	Organic Chem. II	4
Ag	415	Animal Nutrition	4
		**Medical Vocabulary	2
		Soc. Sci. or Hum. Elective	3
		Ag. Elective	3
			16

* Students may by-pass Math 141 & 152 through the mathematics placement examination.

** Six semester hours of modern language may be substituted for medical vocabulary or this course may be taken by correspondence from Auburn.

The additional hours above the requirements may be applied toward a B.S. Degree.

PRE-FORESTRY CURRICULUM

Students interested in a career in forestry may take their first two years of coursework at Morehead State University and then complete their studies at the University of Kentucky. If, at the end of two years, a student does not secure admission to the forestry program at the University of Kentucky, most of the credits may be applied toward a degree at Morehead State University. The program may be modified to meet entrance requirements at any institution offering a forestry program.

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Biol	105	Intro. to Biol. Science	3
Chem	101	General Chemistry I	4
*Math	175	Anal. Geom. & Cal. I	4
PE		Activity Course	1
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
Ag	180	Field Crop Science	3
Chem	102	General Chemistry II	4
Math	275	Anal. Geom. & Cal. II	4
PE		Activity Course	1
		Elective	2
			17

* Students must start with the level of mathematics that is determined by their placement examinations.

SOPHOMORE YEAR

First Semester

Soc	170	Rural Sociology	3
Phys	131	Elementary Physics I	4
Biol	215	Botany	4
Spch	110	Basic Speech	3
Psy	154	General Psychology	3
			17

Second Semester

Hist	241	U. S. Of Am. through 1865	3
Phys	132	Elementary Physics II	4
Econ	201	Principles of Economics	3
Ag	211	Soil Science	3
Eng	202	Intro. to Literature	3
			16

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Agriculture 101. General Agriculture. (2-0-2); I.

The importance of agriculture in the community, state, nation, and world; changes occurring in the industry and their impact on the total society. Emphasis is placed on careers in the agriculture industry.

Agriculture 133. Farm Livestock Production. (2-2-3); I, II.

Fundamental genetics, nutrition, and physiology of beef and dairy cattle, swine, and sheep.

Agriculture 136. Principles of Dairying. (2-2-3); I, II.

General management; general survey of breeds; selection, feeds, and care of dairy cattle; testing; composition, quality, feed value, and consumption of dairy products. Principles of processing and manufacturing dairy products.

Agriculture 140. Introduction to Forestry. (2-2-3); II.

The profession of forestry, its scope and importance in state and federal programs; tree growth, forest management practices, utilization, and products; identification of forest trees and shrubs.

Agriculture 180. Elementary Field Crops. (2-2-3); I, II.

Prerequisite: Science 105.

A study of the fundamentals of crop production; current practices in grain, pasture, forage, and medicinal crop production; the use of fertilizers, limestone, and chemicals; seed production and quality; morphology of crops.

Agriculture 203. Agricultural Economics. (3-0-3); I, II.

Prerequisite: Economics 201 or consent of the instructor.

Economic organization of the farm productive unit; concentration on principles of production economics, supply and demand schedules.

Agriculture 205. Farm Records. (2-0-2); II.

Development and application of farm records necessary for farm business analysis including a study of types of inventories, depreciation schedules, cost determining, and record keeping.

Agriculture 211. Soils. (2-2-3); I, II.

Prerequisite: Chemistry 111.

Study of origin, formation, composition, and classification of soils; the physical, chemical, and biological properties of the soil in relation to plant growth; the principles of soil management, conservation, and land use.

Agriculture 213. Landscape Gardening. (2-2-3); I.

An introduction to landscape gardening with emphasis on design, construction, planting, and maintenance of the home grounds.

Agriculture 214. Landscape Plants. (2-2-3); II.

A study of ornamental trees, shrubs, and vines commonly used in landscaping. Emphasis is placed on identification, characteristics, adaptability, and maintenance.

Agriculture 215. Horticulture. (2-2-3); I.

A study of the basic principles underlying horticultural practices in fruit growing, vegetable gardening, landscape gardening, and floriculture.

Agriculture 216. Floriculture. (1-2-2); I.

The elementary principles of selection, identification, culture, and use of flowers and decorative plants.

Agriculture 231. Livestock Judging. (1-4-3); I.

A study of the types of purebred and commercial beef cattle, sheep, and swine. Studies will be made on evaluating both market and breeding classes.

Agriculture 235. Supervised Work Experience. (1-6 hrs.); III.

A supervised work experience program for students planning a career in Ornamental Horticulture, upon completion of the Associate Degree Program.

Agriculture 237. Poultry Production. (2-2-3); I.

Principles of poultry production, including breeds and development, incubation, breeding, and genetics; management practices, housing, feeding, and nutrition; diseases, their prevention and control.

Agriculture 251. Introduction to Agriculture Mechanics. (2-2-3); I.

Farm shop organization; shop safety; selection, use and maintenance of hand and power tools and equipment for construction and maintenance in agriculture; practical exercises and projects to develop essential skills.

Agriculture 301. Farm Management. (3-0-3); II.

Prerequisite: Agriculture 203.

Farm organization, fitting livestock and cropping programs into a functioning unit, profit maximization and least cost combination of resources for a specified level of production.

Agriculture 302. Agriculture Finance. (3-0-3); I.

A study of farm capital structure and needs. The policy and practices of institutions offering credit to farmers will be analyzed including a study of financing agricultural cooperatives.

Agriculture 303. Land Economics. (2-2-3); II.

Prerequisites: Agriculture 203 and 211.

Farm selection and appraisal of land resources; adaptation of land as the basis for farm organization and agricultural production; study of land tenure systems; rights of ownership; recreational possibilities of nonproductive land.

Agriculture 304. Genetics. (2-2-3); I, II.

Prerequisite: Biology 209 or 215.

(See Biology 304)

Agriculture 305. Marketing of Farm Products. (3-0-3); I.

Development of geographical specializations, demand and supply schedules of agricultural products, price equilibrium, long and short run cyclical price movements, hedging in futures, demand expansion, increasing operational and pricing efficiency, specific commodity marketing.

Agriculture 308. Weed Control. (2-2-3); II.

Prerequisites: Agriculture 180, 211, and Chemistry 112.

Identification and classification of weedy species, methods of reproduction and growth characteristics. Effects on crop and livestock yield.

Agriculture 311. Soil Conservation. (2-2-3); I.

Prerequisite: Agriculture 211.

Agricultural land resources, capabilities, and uses; extent of erosion, causes of erosion and its effect; the soil and its classification; mapping; aims and principles of soil conservation; economics of soil conservation; conservation practices including contouring, terracing, strip farming, and sodded waterways.

Agriculture 312. Soil Fertility and Fertilizers. (2-2-3); II.

Prerequisite: Agriculture 211.

The history and technology of fertilizers; sources and methods of manufacture of fertilizer materials; profitable use of fertilizers and lime in soil management.

Agriculture 314. Plant Propagation. (2-2-3); II.

Prerequisite: Agriculture 215 or consent of instructor.

A study of the principles and practices of the propagation of horticultural plants. Includes seeding, layering, cutting, division, grafting and budding; use of root stimulants, types of facilities and equipment required and other cultural practices.

Agriculture 315. Fruit Production. (2-2-3); II.

Prerequisite: Agriculture 215 or consent of instructor.

Tree fruits, nuts, and small fruits; varieties of fruiting habits, sites, soils, pruning, pest control, planting and commercial marketing.

Agriculture 316. Feeds and Feeding. (3-2-4); I.

Prerequisites: Chemistry 112 and Agriculture 133.

Feeds and basic concepts of rations; fats, carbohydrates, proteins, and their metabolism; the role of minerals, vitamins, and hormones in animal nutrition.

Agriculture 320. Principles of Vegetable Production. (2-2-3); II.

Prerequisite: Agriculture 215.

Principles of commercial vegetable production and handling. Includes soil, ecological and economic factors which influence production; producing for fresh and processing markets; varieties, pest control, cultural practices, and mechanization.

Agriculture 321. Greenhouse Production I. (2-2-3); I.

Prerequisite: Agriculture 215 or permission of the instructor.

Factors involved in locating, constructing, and equipping a greenhouse range. Studies soil, soil fertilization, sterilization, watering and heating systems and other developments in greenhouse mechanization; types of structures, materials and methods of construction.

Agriculture 322. Greenhouse Production II. (2-2-3); II.

Prerequisites: Agriculture 215 and 321 or consent of the instructor.

Continuation of 321 in selection of type of crop; producing, harvesting, storing, and marketing of bedding plants, greenhouse vegetables, and potted plants; plant growth and reproduction.

Agriculture 325. Turf Management. (2-2-3); II.

Prerequisites: Science 105 and Agriculture 215.

Turf grass varieties, basic principles of production and their practical application to establishment, maintenance, renovation and pest control on lawns, playgrounds and similar turf areas.

Agriculture 331. Advanced Livestock Judging. (2-2-3); II

Continuation of Agriculture 231. Primarily for judging team candidates. Open only to those students who have made a good standing in the prerequisite course, Agriculture 231.

Agriculture 334. Entomology. (2-2-3); II.

Prerequisite: Biology 209.

(See Biology 334.)

Agriculture 336. Dairy Cattle Feeding, Breeding and Mgt. (2-2-3); on demand.

Prerequisites: Agriculture 133 and 136.

Principles of nutrition as applied to dairy cattle, records, breeding programs, herd operations, production of quality dairy products, and production and distribution costs.

Agriculture 341. Apiculture. (2-2-3); II.

Establishing and managing honeybee colonies, prevention and control of pest, and handling the honey crop.

Agriculture 343. Beef Production. (2-2-3); on demand.

Prerequisites: Agriculture 133 and 316 or approval of the department.

The history, development, and distribution of breeds; sources of cattle and carcass beef; production and distribution practices in steer feeding; commercial and purebred breeding herds.

Agriculture 344. Swine Production. (2-2-3); on demand.

Prerequisite: Agriculture 133 and 316 or approval of the department.

History, development, and distribution of types and breeds; management practices, including nutritional problems in commercial and purebred herds.

Agriculture 345. Sheep Production (2-2-3); on demand.

Prerequisite: Agriculture 133 and 316 or approval of the department.

History, development and distribution of types and breeds; selection, breeding, feeding, and management of sheep; production and handling of wool.

Agriculture 350. Farm Power and Machinery Management. (2-2-3); I.

Selection, operation, maintenance and servicing of agriculture power and machinery units.

Agriculture 384. Forage Crops. (2-2-3); II.

Prerequisite: Agriculture 180 and 211.

The distribution of various forage crops and their adaptations to soil and climate; seeding rates and mixtures; productivity; and pest control.

Agriculture 403. Agricultural Policy. (3-3-3); I.

Prerequisite: Agriculture 203.

A history of agricultural policy and policy makers; defining the problems and their setting; government participation in supply of and demand for agricultural products.

Agriculture 471. Seminar. (1-0-1); I, II.

Prerequisite: Second semester junior standing.

Identification of problems and issues reflected in the current professional agricultural literature. Through informal discussions, participants will be expected to develop further understandings of the underlying concepts of the place of technical and professional agricultural workers.

Agriculture 476. Special Problems. (One to three hours); I, II, III.

Prerequisite: Upper division standing.

Permits a student to do advanced work as a continuation of an earlier experience, or to work in an area of special interest. Topic for investigation must be selected and approved by adviser prior to registration.

Agriculture 512. Conservation Workshop. (2-2-3); on demand.

Prerequisite: Consent of instructor.

Development of the conservation movement with broad treatment of the basic natural resources including land, water, air, minerals, forests, and wildlife. The development of conservation practices and recent development in state and federal agencies. The importance of natural resources and their need to agriculture and industry. Also teaching of conservation education. (Formerly 412G)

Agriculture 515. Animal Nutrition. (4-0-4); II.

Prerequisite: Agriculture 316.

Chemistry, metabolism, and physiological functions of nutrients; digestibility, nutritional balances, and measures of food energy. (Formerly 415G)

Agriculture 580. Methods of Teaching Vocational Agriculture. (4-0-4); I, II.

The principles of methods applied to teaching vocational agriculture to high school students. Course organization, farming programs and Future Farmers of America Activities. (Formerly 480G)

Agriculture 582. Adult and Young Farmer Education. (3-0-3); I, II.

The principles and techniques needed in organizing and program planning in post high school vocational agriculture and conducting young farmer and adult farmer classes. (Formerly 482G)

Agriculture 584. Teaching Vocational Agriculture. (8-0-8); I, II.

Supervised teaching in centers selected by the State Agricultural Education Staff and members of the teaching staff. Teacher experience with in-school and out-of-school groups. (Formerly 484G)

Agriculture 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status, and trends of vocational education. (Formerly 485G)

Agriculture 588. Curriculum Development and Content Selections. (3-0-3); I, II.

Each student prepares the content for a four-year program in vocational agriculture. (Formerly 488G)

Agriculture 592. Supervision in Agriculture. (3-0-3); I, II.

The principles and techniques needed in individual and group supervision of vocational agricultural programs. (Formerly 492G)

Agriculture 670. Research Problems. (One to three hours); I, II, III.

A self-directed independent study on a special problem. Students must present and have approved a suggested problem as well as a justification for the study in written form. (Formerly 570)

Department of HOME ECONOMICS

Betty B. Bailey, Ph.D., Head

Home economics applies the arts and sciences to family living, understanding of and involvement in community affairs, and attaining personal fulfillment, intellectually and professionally. In addition to its teaching program, the Home Economics Department prepares and trains both men and women for many careers in food service, business, industry, and service agencies whose purposes are to improve family life. Students majoring in home economics may take elective courses that they believe important for their intellectual development. Non-majors are welcomed and encouraged to take elective courses in the department. The department also provides a graduate program in which the student may pursue further his or her area of specialization.



Area of Concentration in Vocational Home Economics (48 hrs. Minimum)

The area is designed and approved for students who wish to qualify to teach vocational home economics in high school. Students who plan careers in home economics extension usually elect this program. The broad-based program requires a balance in all phases of home economics, and supporting courses in art, science, and other general education.

Sem. Hrs.

I. REQUIREMENTS FOR AN AREA OF CONCENTRATION IN VOCATIONAL HOME ECONOMICS	48
Clothing and Textiles, HEc 141, 240, 241	9
Family Economics and Home Management, HEc 362, 452, and 454	8
Family Relations and Child Development, HEc 101, 355, and 453	8
Foods and Nutrition, HEc 130, 231, and 431	9
Health and the Family, HEc 303	3
Housing, Home Furnishings and Household Equipment, HEc, 251, 351, and 451	9
Seminar (Vocational Section). HEc 471	1
Elective in Home Economics	1
II. ADDITIONAL REQUIREMENTS:	
Art 291	2
Art Elective	2
Biology 105	3
Chemistry 101	4
Biology 232 or 317 plus 4-hour science elective	8
Approved Sociology Elective	3
Approved Economics Elective	3
III. PROFESSIONAL EDUCATION REQUIREMENTS FOR TEACHER CERTIFICATION	24
Ed 100, 210, 300, 477, and HEc 470	

Area of Concentration in Clothing and Textiles (50 hr. minimum)

Individuals preparing to enter careers in business or industry such as fashion retailing, textile technology, or as designers of clothing, textiles, or interiors, may take a curriculum of selected courses from home economics and related fields of study.

I. REQUIREMENTS FOR AN AREA OF CONCENTRATION IN CLOTHING AND TEXTILES

- Home Economics: 130, 141, 240, 241, 303, 540, 341, or 342, 362, 541, 542, 451, 453, 471, 344 or 480 38-39
- a. Special Option—Select any 12 hours from one of the options: 12
- (1) Design Option
 - Home Economics 251, 346, 351, 457
 - Approved Art Electives
 - Approved Industrial Education Electives
 - (2) Fashion Retailing Option
 - Home Economics 346
 - Approved Business Electives
 - Approved Economics Electives
 - (3) Textile Technology Option
 - Home Economics 343, 444, 543
 - Approved Science Electives

II. ADDITIONAL REQUIREMENTS:

- Art 291 2
- Biology 105 3
- Chemistry 101 4
- Biology 232 or 317 plus 4-hour science elective 8

Area of Concentration in Food Service Administration (48 hr. minimum)

This program is designed to give students an emphasis in food service supported by a broad general education. After receiving the degree, the student is eligible for a managerial position. He may wish to continue with an American Dietetics Association approved internship to qualify as a Registered Dietitian.

Sem. Hrs.

I. REQUIREMENTS FOR AN AREA OF CONCENTRATION IN FOOD SERVICE ADMINISTRATION	
a. Basic Core Program, HEc, 130, 231, and 431	9
b. Select one of the following emphases	9
(1) Food Service Administration	
Required HEc 331 and 334	6
Electives from HEc 330, 335, 337, or BA 281	3
(2) Education	
Required Ed 410 and 423	6
Electives from Soc 101, 305, or Psy 221	3
(3) Experimental and Developmental Foods	
Required HEc 538	3
Electives from HEc 362, 334 or Biol 417	6
c. Select one of the following concentrations	15
(1) Therapeutic and Administrative Dietetics	
Required HEc 536, Biol 495, BA 410 or Psy 353, Ed 410 or	
Psy 389	13
Electives from HEc 330*, 332, 333, 335*, 337*, 538* or	
BA 281	2-3
(2) Business Administration	
Required BA 282 and 410, HEc 330*, 335, or 337*	9-15
Electives from BE 221, BA 461, HEc 453, 332, Psy 353,	
or Econ 302	0-6
(3) Science: Foods and Nutrition	
Required HEc 536, 538, 539, and Biol 495	12
Electives from HEc 332, 333, Biol 415, Math 353, or Ed 410	3

II. ADDITIONAL REQUIREMENTS:	39
a. HEc 303	3
b. Approved Home Economics Electives	12
Art 291	2
Biology 105	3
Chemistry 101, 326	8
Biology 232 or 317 or (217 plus 1-hour science elective)	8
Approved Economics Elective	3

NOTICE: Those students interested in receiving assistance in completing their junior-senior years and/or A.D.A. internship food service program may contact the various armed services in care of their medical specialists corps concerning their student dietitian programs. Men may apply their years of enrollment toward Selective Service obligations.

* If not used in Emphasis.

I. REQUIREMENTS FOR A MAJOR IN GENERAL HOME ECONOMICS—TEACHING (Major may also be a non-teaching program.)	
Home Economics 101 or 453, 130, 141, 431, 251, or 351 or 451, 355, 362 or 452, and 471	20
Approved Electives in Home Economics	10
II. ADDITIONAL REQUIREMENTS:	
Art 291	2
Biology 105	3
III. PROFESSIONAL EDUCATION IF APPLYING FOR TEACHER CERTIFICATION	20
Ed 100, 210, 300, 477 and HEc 470	

I. REQUIREMENTS FOR A MINOR IN HOME ECONOMICS	21
Home Economics 130, 362, 431, and 453, 141 or 380	15
Approved Home Economics Electives	6

Two-Year Program in Food Service Technology

The associate degree program is designed to prepare students for careers in the management and supervision of commercial food service areas of hotels, motels, cafeterias, schools, hospitals, airlines, and in commercial food processing. Course work and practical experience are included in management, supervision, purchasing and quantity cooking, as well as courses in the supporting sciences.

Sem. Hrs.

General Requirements:

COMMUNICATIONS	6
English 101—3 hours	
Elective in English or Speech—3 hours	
SOCIAL SCIENCE	3
Elective in Sociology or Economics	
SCIENCE	4
Biology 217—Microbiology—4 hours	
HEALTH AND PHYSICAL EDUCATION	3 to 4
Health 150—Personal Health—2 hours	
or	
Home Economics 303—Health of the Family—3 hours	
Physical Education—Activity Course—1 hour	
Total Requirements in General Education	16 to 17

REQUIREMENTS IN HOME ECONOMICS AND BUSINESS:

HEc	130	Elementary Foods and Nutrition	3
HEc	131	Dining Room Procedures	2
HEc	132	Food Management Problems	3
HEc	231	Family Meal Management	3
HEc	232	Food Sanitation and Safety	3
HEc	303	Health of the Family	3
HEc	320	Elements of Nutrition	3
HEc	330	Quantity Food Purchasing	3
HEc	331	Organization and Administration of Food Service	3
HEc	332	Field Experience in Food Service (Summer)	4
HEc	333	Diet and Disease	3
HEc	334	Problems in Management and Quantity Food Cookery	3
HEc	335	Food Service Equipment and Layout	2
HEc	337	Advanced Food Production Management	3
BA	136	Business Calculations	4
BA	301	Principles of Management	3
		Total Requirements in Home Economics and Business	48
		Total Requirements for the Degree	64-65

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and arranging their schedules. These suggested programs need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area in Vocational Home Economics

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Art	291	Color and Design	2
Chem	101	General Chemistry I	4
HEc	130	El. Foods and Nutrition	
		or	
HEc	141	Cloth. Design and Const.	3
HEc	101	Personal and Fam. Living	2
		Activity Course	1
			15

Second Semester

Eng	102	Composition II	3
Ed	100	Orientation in Education	1
		Math Elective	3
		Science Elective	4
HEc	141	Cloth. Design and Const.	
		or	
HEc	130	El. Foods and Nutrition	3
		Sociology Elective	3
			17

SOPHOMORE YEAR

First Semester

Ed	210	Human Gr. and Devel. I	3
Sci	105	Intro. to Biological Science	3
HEc	231	Family Meal Management	3
HEc	240	Textiles	3
		Activity course	1
		Economics Elective	3
			16

Second Semester

Eng	202	Intro. to Literature	3
Biol	232	Anatomy and Physiology or	
Biol	317	Principles of Microbiology	4
HEc	241	Family Clothing Problems	3
HEc	251	Household Equipment	3
HEc	303	Health of the Family	3
			16

JUNIOR YEAR

First Semester

Art	241	Crafts I (or Substitute)	2
		Social Science Elective	3
HEc	362	Consumer Education	3
HEc	355	Child Development	3
		Humanities or Comm. Elective	3
		Elective	3
			17

Second Semester

HEc	351	Housing	3
HEc	431	Human Nutrition	3
HEc	452	Home Management	2
		Humanities or Comm. Elective	2
Ed	300	Intro. to Student Teaching	1
		Home Economics Elective	1
HEc	471	Seminar (Voc. Section)	1
HEc	453	Problems of the Family	3
			16

SENIOR YEAR

First Semester

		Social Science Elective	3
HEc	451	Home Furnishings	3
HEc	454	Home Management House	3
HEc	470	Meth. of Teaching HEc	4
		Elective	3
			16

Second Semester

Ed	477	Professional Semester	15
		(The Professional Semester may be taken either semester of the senior year but must be preceded by HEc 470.)	
			15

Area of Concentration in Clothing and Textiles
(Non-Teaching)

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Art	291	Color and Design	2
Math		Mathematics Elective	3
HEc	141	Cloth. Design and Const.	3
Sci	105	Intro. to Biological Science	3
		Activity course	1
			15

Second Semester

Eng	102	Composition II	3
		Social Science Elective	3
		General Electives	6
HEc	130	El. Foods and Nutrition	3
		Activity course	1
			16

SOPHOMORE YEAR

First Semester

Chem	101	General Chemistry I	4
Eng	202	Intro. to Literature	3
		Social Science Elective	3
HEc	241	Family Clothing Problems	3
		Humanities or Comm. Elective	3
			16

Second Semester

		Science Elective	4
HEc	240	Textiles	3
		Home Economics Option	3
HEc	303	Health of the Family	3
		Humanities Elective	3
			16

JUNIOR YEAR

First Semester

Biol	317	Principles of Microbiology	4
		Humanities or Comm. Elective	3
HEc	340	Textile Testing	2
HEc	341	Flat Pattern Design	
		or	
HEc	545	Cloth. Design in Draping	3
		Electives	5
			17

Second Semester

		Social Science Elective	3
HEc	362	Consumer Education	3
HEc	453	Problems of the Family	3
		Electives	6
			15

SENIOR YEAR

First Semester

HEc	344	Historic Costume	
		or	
HEc	480	Historic Textiles	3
HEc	541	Tailoring	2
HEc	451	Home Furnishings	3
		Social Science Elective	3
		Home Economics Option	5
			16

Second Semester

HEc	471	Seminar	1
HEc	542	Soc.-Psy. Aspects of Clothing	
		and Textiles	3
		Home Economics Option	4
		Electives	9
			17

**Area of Concentration in Food Service
Administration (Non-Teaching)**

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Chem	101	General Chemistry I	4
HEc	130	El. Foods and Nutrition	3
		Activity course	1
		Electives	5
			16

Second Semester

Eng	102	Composition II	3
		Science Elective	4
		Home Economics Elective	3
HEc	231	Family Meal Management	3
		Elective	2
			15

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
Sci	105	Intro. to Biological Science	3
HEc	303	Health of the Family	3
		Home Economics Elective	3
		Mathematics Elective	3
			15

Second Semester

		Humanities Elective	3
		General Elective	3
Biol	232	Anatomy and Physiology	4
		Activity course	1
		Economics Elective	3
Art	291	Color and Design	2
			16

JUNIOR YEAR

First Semester

Biol	317	Principles of Microbiology	4
		Emphasis	3
HEc	431	Human Nutrition	3
		Social Science Elective	3
		Humanities or Comm. Elective	4
			17

Second Semester

		Emphasis	3
		General Elective	1
		Concentration	6
		Home Economics Elective	3
		Social Science Elective	3
			16

SENIOR YEAR

First Semester

		Emphasis	3
		Home Economics Elective	3
		Concentration	6
		General Electives	5
			17

Second Semester

		Concentration	3
		General Electives	10
		Social Science Elective	3
			16

SUGGESTED COURSE SEQUENCE**Associate Degree in Food Service Technology**

			Sem. Hrs.
FIRST SEMESTER			
Eng	101	Composition I	3
HEc	130	Elementary Foods and Nutrition	3
HEc	131	Dining Room Procedures	2
BE	136	Business Calculations	4
		Activity Course	1
		Elective	3
			16
SECOND SEMESTER			
Eng	102	Composition II or Speech Elective	3
HEc	132	Food Management Problems	3
HEc	231	Family Meal Management	3
HEc	320	Elements of Nutrition	3
		Electives	4
			16
SUMMER			
HEc	332	Field Experience in Food Service	3
THIRD SEMESTER			
Biol	217	Microbiology	3
HEc	303	Family Health	3
HEc	331	Organization and Administration of Food Service	3
HEc	334	Problems in Management and Quantity Cookery	3
HEc	335	Food Service Equipment	2
			14
FOURTH SEMESTER			
HEc	232	Food Sanitation and Safety	3
HEc	330	Quantity Food Purchasing	3
HEc	333	Diet and Disease or	
BA	301	Principles of Management	3
HEc	337	Advanced Food Production Management	3
		Approved Elective in Home Economics or Business	3
			15
Total			64

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Home Economics 101. Personal and Family Living. (2-0-2); I.
Preparation for marriage; personal and social adjustment; needs, responsibilities, and relationships of family, friends, and self.

Home Economics 130. Elementary Foods and Nutrition. (2-2-3); I, II.
Study of factors affecting nutrient content; basic preparation of food for optimum nutrition, flavor, and appearance.

Home Economics 131. Dining Room Procedures. (1-2-2); I.
Introduction to various facets of dining room operations; essentials of good table service; duties and responsibilities of working with patrons and dining room staff members.

Home Economics 132. Food Management Problems. (1-4-3); II.
A study of general and unique food management problems for the nursing home, hospital, school lunch, college or resident hall, cafeteria, restaurant, industrial unit, and food vending operations for which students may be responsible. Observation of various facilities will supplement laboratory work.

Home Economics 141. Clothing Design and Construction. (1-4-3); I, II.
Relationship and manipulation of patterns and fabrics; fundamentals of clothing construction; selection, use, and care of sewing equipment.

Home Economics 231. Family Meal Management. (1-4-3); I, II.
Prerequisite: Home Economics 130 or consent of instructor.
Application of basic principles of management to buying, planning, preparing, and serving meals to meet family needs.

Home Economics 232. Food Sanitation and Safety. (3-0-3); II.
Federal, state, and local regulations regarding sanitary and safety controls as they relate to food service; identification of sources of food-borne diseases and methods of prevention and control; principles of positive health and personal hygiene and safety involved in food handling; emphasis is placed on practical application in food service institutions.

Home Economics 240. Textiles. (2-2-3); I, II.
Textiles from raw materials to finished products as related to use and care of fabrics. Simple laboratory tests on identification and behavior of textiles.

Home Economics 241. Family Clothing Problems. (1-4-3); I, II.
Prerequisite: Home Economics 141.
Essential factors in consumer selection of clothing for the family. Advanced construction, simple tailoring, and alterations.

Home Economics 251. Household Equipment. (3-0-3); I, II.
Principles and practical experience relative to selection, use, and care of equipment and appliances for the home. Principles of planning an efficient kitchen.

Home Economics 303. Health of the Family. (3-0-3); II.
Problems in maintenance of individual and family health; principles and techniques applicable to home care of the sick and injured.

Home Economics 320. Elements of Nutrition. (3-0-3); I, II, III.

(Also Health 320)

Nutritional health of the individual related to food and metabolism; nutrition as a factor in personal and community health problems; guides for better nutrition practices. (No credit granted to Vocational Home Economics students.)

Home Economics 330. Quantity Food Purchasing. (3-0-3); I.

Prerequisite: Home Economics 231.

Principles of marketing, sanitation, and storage of all food commodities for food service institutions.

Home Economics 331. Organization and Administration of Food Service. (3-0-3); II.

Prerequisite: Home Economics 130 and 231.

Principles and problems of organization and administration as related to quality food service.

Home Economics 332. Field Experience in Food Service. (One to four hours); III.

Field training in institutional food services arranged with consent and supervision of the instructor. Student is visited on the job.

Home Economics 333. Diet and Disease. (3-0-3).

Prerequisite: a nutrition course.

Diet in disease; physiological basis for therapeutic diets; calculation and planning of diets for various problems. Taught alternate years.

Home Economics 334. Problems in Management and Quantity Cookery. (1-6-3); I, II.

Prerequisite: Home Economics 130 and 231.

Principles and techniques of quantity food preparation. Use of standardized recipes and institutional equipment. Three-hour laboratory periods include lunch.

Home Economics 335. Food Service Equipment. (2-0-2); II.

Prerequisite: Home Economics 331.

Selection of equipment, layout, and design for quantity food service.

Home Economics 337. Advanced Food Production Management. (3-0-3); I, II.

Prerequisites: Home Economics 330, 331, 334, and 335 or concurrently.

Practical application of management principles for meal service and special functions.

Home Economics 340. Textile Testing. (0-4-2); II.

Prerequisite: Home Economics 240 and Chemistry 102.

Study of textile fiber and fabric testing procedures. Individual research. Taught alternate years.

Home Economics 341. Flat Pattern Design. (0-4-2).

Prerequisite: Home Economics 241 and Art 291.

Costume design applied to pattern making and fitting using original designs by the students. Taught alternate years.

Home Economics 343. Household Textiles. (2-2-3).

Prerequisite: Home Economics 240.

Selection, cost, care, standards, and testing of textiles used in the home. Taught alternate years.

Home Economics 344. Historic Costume. (3-0-3).

The development of costume through the ages as an expression of social, economic, and cultural life of the time, and as a contribution to current fashion. Taught alternate years.

Home Economics 346. Fashion Fundamentals. (3-0-3).

Organization and operation of the fashion world; the influence of designers, manufacturers, retailers, and mass media on apparel. Taught alternate years.

Home Economics 351. Housing. (3-0-3); II.

Historic development of housing in the United States. Implications for housing from social and economic changes. Trends in the field of housing.

Home Economics 355. Child Development. (1-4-3); I, II, III.

Positive approach to child guidance. Behavioral characteristics in growth and development. Directed experiences in observation and working with pre-school children.

Home Economics 362. Consumer Education. (3-0-3); I, II, III.

(Also Business Education 362—A separate section for business and non-home economics majors is organized to meet special needs.)

Appraisal of all segments of consumer goods and services; use of credit; legislation and controls affecting all phases of living. Consumer's role in changing patterns of consumption and the economy. Guidelines for decision making concerning consumer goods and services in family money management.

Home Economics 380. Clothing for Consumers. (3-0-3).

Elective course for men and women.

Quality, manufacturing techniques, art principles, care, consumer services, legislation, labeling, and social-psychological implications for the clothing consumer. Taught alternate years.

Home Economics 431. Human Nutrition (3-0-3); I, II.

Scientific approach to nutrition. Application of nutrition principles to children, adults, and the aged. National and world nutrition problems.

Home Economics 434. School Lunch Seminar. (One Hour); III.

Techniques and problems related to the school lunch program.

Home Economics 451. Home Furnishings. (3-0-3); I, II.

Design principles applied to interiors; selection of furnishings, and making of house plans.

Home Economics 452. Home Management. (2-0-2); I.

Application of management principles as they relate to the home and the use of energy, time, and money.

Home Economics 453. Problems of the Family. (3-0-3); II.

Includes the changing roles of husbands, wives, and parents; adjustments needed in marriage; and the functions of the family in society.

Home Economics 454. Home Management House. (Three Hours); I, II, III.

Prerequisite: Home Economics 231 and 452.

Residence in home management house for one-half semester. Opportunities for assuming responsibilities in making decisions; management of the house; social experiences and group activities in home situation. Arrangements for residence must be made in advance.

Home Economics 470. Methods in Teaching Vocational Home Economics. (4-0-4); I, II.

Prerequisite: Junior or senior standing in home economics and admission to the Teacher Education Program.

Needs and interests of high school students and their families; principles of learning and application through various techniques and types of lessons; planning for the year, the unit, and the day.

Home Economics 471. Seminar. (1-0-1); II.

Identification of issues reflected in the current technical and professional literature; further understandings of the role and function of semi-professional and professional fields in home economics.

471 (Vocational Section) A developmental approach to the interdisciplinary study of vocational education; legislation, programs, and organizations are included. Team teaching, outstanding guest speakers, and student participation provide the basic approach.

Home Economics 476. Special Problems. (One-three hours); I, II, III.

Supervised study of a problem in some phase of home economics chosen by the student on the basis of individual need or interest.

Home Economics 480. Historic Textiles. (3-0-3).

Historic background and characteristics of textile fibers, weaves, motifs, and colors from prehistoric to modern times. Taught alternate years.

Home Economics 536. Advanced Nutrition. (3-0-3).

Prerequisite: Home Economics 431 or equivalent.

Selected topics in nutrition; emphasis on classical and current literature; practical application of findings. Taught alternate years. (Formerly 436G)

Home Economics 538. Experimental Foods. (1-4-3).

Prerequisites: Home Economics 231, Chemistry 102.

Review and evaluation of published research; experimental methods applied to food research through individual and class investigation. Taught alternate years. (Formerly 438G)

Home Economics 539. Child Growth and Nutrition. (3-0-3).

Prerequisite: Home Economics 431 or equivalent.

Selection, application, and evaluation of nutritional data concerned with infancy and child growth. Taught alternate years. (Formerly 439G)

Home Economics 541. Tailoring. (0-4-2); I.

Prerequisite: Home Economics 241 or consent of instructor.

Fitting and tailoring techniques in the construction of a tailored garment based upon individual problems. Required construction of a suit or coat. (Formerly 441G)

Home Economics 542. Social-Psychological Aspects of Clothing and Textiles. (3-0-3).

Prerequisite: Six hours in clothing and textiles.

Social, psychological, and economic factors in the selection and use of clothing. Taught alternate years. (Formerly 442G)

Home Economics 543. Advanced Textile Testing. (1-4-3).

Prerequisite: Home Economics 240.

Advanced study of textile fibers and fabrics with emphasis on trends in wear and end-use testing. Taught alternate years. (Formerly 440G)

Home Economics 544. Dyes and Finishes. (2-2-3).

Prerequisite: Home Economics 340.

Types of dyes and finishes used currently on fibers and fabrics as they affect wear, care, and storage. Taught alternate years. (Formerly 444G)

Home Economics 545. Clothing Design in Draping. (0-6-3).

Prerequisite: Home Economics 241.

Original garments created by draping on the dress form. Dress form will be constructed in the course. Taught alternate years. (Formerly 342G)

Home Economics 555. The Child and the Family. (3-0-3).

Environmental factors favoring family life and family interaction; stages of family life and the changing role of members. Taught alternate years. (Formerly 455G)

Home Economics 557. Interior Design. (3-0-3).

Prerequisite: Home Economics 451 or equivalent.

Principles and elements of design related to selection and arrangement of furniture; use of fabrics, accessories, and other media used in furnishing a home. A study of periods in furnishings. Taught alternate years. (Formerly 457G)

Home Economics 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status, and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels. (Formerly 485G)

Home Economics 642. Textiles and Clothing Workshop. (Three hours); III.

Prerequisite: Degree in home economics.

Current problems, trends in teaching, and research in clothing and textiles. Discussion, demonstrations, and projects planned to meet needs of students. (Formerly 542)

Home Economics 670. Research Problems. (One to three hours); I, II, III.

Prerequisite: Degree in home economics.

Research in a phase of home economics of special interest to the student. Written proposal must be approved by the faculty member designated. Conferences by arrangement. (Formerly 570)

Home Economics 672. Home Economics Education Workshop. (One to three hours); III.

Prerequisite: Degree in home economics.

A study of the opportunities provided by legislation for secondary schools; recent developments in vocational programs in Kentucky; study of available teaching guides; pertinent developments in phases of home economics chosen for emphasis. (Formerly 572)

Home Economics 673. Curriculum Development in Home Economics. (3-0-3); I.

Prerequisite: Degree in home economics.

Responsibility of home economics in the school and community. New developments in secondary school programs. Consideration of the homemaking curriculum; a critical survey of resources. Development of plans and units. (Formerly 573)

Home Economics 674. Supervision of Home Economics. (3-0-3); III.

Prerequisite: Degree in home economics.

The nature, function, and techniques of supervision of home economics in high school and adult programs. Emphasis will be given to supervision of student teachers. (Formerly 574)

Home Economics 675. Current Problems in Home Economics Education. (One to three hours).

Prerequisite: Degree in home economics or consent of instructor.

A study of change as it relates to home economics education. Relevant topics chosen for library research and class discussion. (Formerly 575)

Home Economics 676. Independent Study. (One to three hours); I, II, III.

Prerequisite: Degree in home economics.

Original research of a technical or professional nature supported by adequate library reference work. The proposal must be approved by the faculty member designated. (Formerly 576)

Home Economics 677. Home Economics Education Workshop (continued). (One to three hours).

Offered alternately with Home Economics 672. (Formerly 577)



Department of INDUSTRIAL EDUCATION

Norman Roberts, Ph. D., Head

The Department of Industrial Education offers programs in two major areas: Teacher Education and Industrial Technology.

The Teacher Education Program prepares teachers of subjects related to industry for secondary and vocational-technical schools.

The Industrial Technology Program combines a broad and balanced technical program with a sound general education program to prepare individuals to secure gainful employment in industry.

REQUIREMENTS:**For an Area of Concentration in Industrial Arts:**

	Sem. Hrs.
Industrial Education 100, 102, 103, 106, 111, 160, 186, 203, 240, 300, 330, 471a, and 475	34
Choose Three—107, 161, 202, 211, 241, 286	9
One of the following options:	
Drawing option: Industrial Education 204, 301, 303, 305, 403, or 404	9
Woods option: Industrial Education 311, 411, and 476	9
Metals option: Industrial Education 386, 388, 486, or 488 ..	9
Graphic Arts option: Industrial Education 302, 322, 350, or 450	9
Power and Fluid option: Industrial Education 161, 261, and 262	9
Electricity-Electronics option: Industrial Education 341, 342, and 443	9
Plastics option: Industrial Education 107, 306, and 476 ...	9
Minimum for the Area	52

NOTE: Not more than 18 hours in any one area of study may be applied to requirements for an area of concentration.

PROFESSIONAL EDUCATION

Education 100 Orientation to Education	1
Education 210 Human Growth and Development	3
Education 300 Introduction to Student Teaching	1
Education 477 Professional Semester	15
Total	20

ADDITIONAL REQUIREMENTS

Physics 201 or 202	4
Math 152	3
Math 141	3

For a Major in Industrial Arts**

	Sem. Hrs.
Industrial Education 100, 102, 103, 111, 160, 186, 203, 240, 471a and 300 or 475	26
Industrial Education electives with consent of adviser	10
Total	36

**Many states have special certification requirements that may not be reflected in the area of concentration of the major. For example, Ohio requires Crafts (Industrial Education 222) for certification in addition to those indicated above.

A minimum of six (6) hours must be earned in at least three (3) of the following areas: Woods, Metals, Drafting, Graphic Arts, Power and Fluid Mechanics, Electricity-Electronics, or Plastics. Not more than nine (9) semester hours can be earned in any one field.

Additional requirements in other fields are the same as those listed for the Area of Concentration.

NOTE: Students may have introductory courses in industrial arts waived, provided they can furnish satisfactory evidence of past experience in the subject-matter field and can pass proficiency examinations.

INDUSTRIAL TECHNOLOGY (Non-Teaching)

Although theoretical engineers and machine operators are essential in industry, there are many positions that fall somewhere in between. It is said that for each engineer there is a need for five supportive personnel, often referred to as technicians. These technicians need a degree of skill and knowledge as well as a background in science and mathematics. In a society influenced to such a degree by technological change, an education that prepares a person broadly is often more flexible and adaptable than specific education.

Aside from engineering technicians, managerial positions often require a combination of general, professional, and technical education for maximum success. Sales representatives also need a familiarity with the technical aspects of industry if they are to perform their function satisfactorily.

The industrial technology curriculum has been planned to provide a set of common (core) experiences as well as some degree of specialization. When a student decides on either the scientific emphasis or a business emphasis, he has begun to make a career choice. The mathematics and science will guide him toward engineering whereas a background in business administration leads him toward positions in management. The selection of an option, which is equivalent to a minor, further directs the career choice in relation to the major industry that will seek out the graduate.

For an Area of Concentration in Industrial Technology

	Sem. Hrs.
Core Requirements	17
Industrial Education 100, 103, 317, 319, 330 472, 473	
Business Administration 200	
Industrial Options—Select one of the following fields	18
Design and Drafting, Electricity-Electronics, Graphic Arts Technology, Metals Technology, Plastics Tech- nology, Power and Fluid Technology, or Woods Tech- nology	
Scientific or Business Emphasis—	
One of the following areas	18
Scientific Emphasis	
Physics 201 and 202	
or Chemistry 111 and 112	8
Advanced electives in Mathematics, Physics, or Chemistry	10
Business Emphasis	
Business Administration 281, 282, 301, 350, 404, and 402G or 480	18
Additional Requirements	
Mathematics 111, 141, 152	7
**Physics 201 or Chemistry 111	4
Economics 201 and 302	6
Psychology 154 and 353	6

For A Major In Industrial Technology

Industrial Education 100, 103, 317, 319, 330, 471, and 472	14
To be selected from one of the following fields	13
Design and Drafting, Electricity-Electronics, Graphic Arts Technology, Metals Technology, Plastics Tech- nology, Power and Fluid Technology, or Woods Technology.	
Business Administration 200	3
Minimum for a Major	30

Additional Requirements

Mathematics 141 and 152	6
Economics 201 and 202	6
Physics 201 or Chemistry 111	4

**For Business Emphasis only

For an Area in Vocational Industrial Teacher Education.

This program is designed for those individuals who have no technical competency or who have technical backgrounds and desire the bachelor's degree and wish to become teachers of vocational industrial education. In addition to other course requirements one must also meet one of the following work experience requirements: 1. Must have three years of successful work experience in the trade in which he proposed to teach (and can be validated). 2. or a graduate of an approved program of an area vocational school, or technical institute and 1400 hours of supervised work experience. 3. or must earn 2000 hours of supervised work experience to be eligible for certification.

	Sem. Hrs.
I. Industrial Education 390, 391, 392, 393, 394, 497 (Plus approved electives)	18
II. Technical Industrial Education	48
Technical laboratory courses in the area in which the individual proposes to teach. A maximum of 18 semester hours of this requirement may be met by a proficiency examination. A maximum of six semester hours may be allowed for supervised work experience.	
III. Requirements in Other Fields	
Communications and Humanities	18
English 101, 102, and 391	9
Speech elective	3
Electives in the humanities	6
Science and Mathematics	12
Science 103 and 105	6
Electives in Science or mathematics	6

Social Science	12
Social Science electives	6
To be selected from Sociology 101, Economics 101, 201, or 302, and Geography 211 ...	6
Psychology 154	3
Health and Physical Education	4
Health 150	2
Two activity courses	2
Electives	13
Minimum for the Degree	128

For the Two-Year Program in Vocational Industrial Teacher Education

The individual completing this program and receiving the Associate of Applied Science degree must have three years of successful work experience in the trade in which he proposes to teach (and can be validated) or must earn 1400 hours of approved and supervised work experience or present a statement of eligibility of certification based on prior work experience as required in the Commonwealth of Kentucky.

	Sem. Hrs.
I. Industrial Education 390, 391, 392, 393, and 394 (plus approved electives)	18
II. Technical Education	18
Technical laboratory courses in the area in which the individual proposes to teach. A maximum of nine hours of this requirement may be met by a proficiency examination.	
III. Requirements in Other Fields	
Communications	6
English 101	3
Elective in English or Speech	3
Science and/or mathematics approved by the adviser	6
Social Science and/or humanities	3
Psychology 154	3
Electives	10
Minimum for the Degree	64

For the Two-Year Program in Graphic Arts Technology

This two-year program is designed for the person interested in a wide range of job opportunities in the graphic arts industry. These areas would include management, sales, advertising, design and production.

Required Courses in Industrial Education:

	Sem. Hrs.
102 Graphic Arts I	3
103 Technical Drawing I	3
202 Graphic Arts II	3
298 Intro. to Technical Ed.	2
302 Offset Lithography	3
322 Photography	2
350 Machine Composition I	3
351 Graphic Duplication	2
450 Machine Composition II	3

24

Additional Requirements (select 19 hours from)

IE 100 Intro. to Industry	1
Jour 101 Intro. to Mass Communication	3
Art 101 Drawing	2
Rad 150 Intro. to Broadcasting	3
BA 160 Intro. to Business	3
BA 200 Intro. to Data Processing	3
BE 211 Beginning Typewriting	3
Art 291 Color and Design	2
IE 317 Time and Motion Study	2
IE 319 Quality Control	3
BA 350 Salesmanship	3
Ed 382 Audiovisual Aids in Instruction	3
Jour 385 Pictorial Reporting	2
BA 455 Advertising Principles and Procedures ...	3

19

Sub Total 43

Mathematics:

152 College Algebra	3
or	
131 General Mathematics I	3

3

English and Communications:

101 Composition I	3
391 Technical Writing	3
110 Basic Speech	3
or	
370 Business and Professional Spch.	3

9

Social Science:

101 General Sociology	3
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3

Psychology

154 Life-Oriented General Psychology	3
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3

Health and Physical Education:

150 Personal Health	2
Activity	1
	3
	21
Total	64

For the Two-Year Program in Machine Tool Technology

This program is designed to prepare students for a wide range of positions in the metal working industry. Serving as technicians, such positions could include: safety foreman, quality control supervisor, maintenance foreman, production supervisor, and engineer's assistant.

Required Courses in Industrial Education:

	Sem. Hrs.
103 Technical Drawing I	3
160 Intro. to Power and Fluid Mechanics	3
186 General Metals I	3
203 Technical Drawing II	3
204 Descriptive Geometry	3
240 Basic Electricity	3
286 General Metals II	3
298 Intro. to Technical Education	2
301 Tool Layout & Design	3
303 Technical Illustration	3
306 Plastics Mold Design	3
319 Quality Control	3
330 Industrial Design	2
386 Welding	3
388 Machine Shop I	3
486 Patternmaking and Foundry	2
488 Machine Shop II	3
	48
Sciences and Mathematics:	
131 General Math	3
152 College Algebra	3
	6
English and Communications:	
101 Composition I	3
391 Technical Writing	3
	6
Electives	4
	4
Total	64

For the Two-Year Program in Drafting and Design Technology

This program is designed for students preparing to enter a wide range of jobs within the drafting and design industry. The jobs would be primarily in the area of product design and tool design. However, graduates could work into job categories such as customer relations, commercial and technical art, and graphic technical reporting. Typical job titles would include Product Designer, Tool Designer, Jig and Fixture Designer and Drafting Supervisor.

Required Courses in Industrial Education:

	Sem. Hrs.
103 Technical Drawing I	3
203 Technical Drawing II	3
204 Descriptive Geometry	3
301 Tool Layout and Design	3
303 Technical Illustration	3
305 Housing	3
330 Industrial Design	2
403 Machine Drawing and Design	3
	23

Additional Requirements: (25 hours selected from:)

106 Thermoplastics Processing	
or	
107 Thermosetting Processing	3
111 Basic Wood Technics	3
160 Intro. to Power and Fluid Mechanics	3
186 General Metals I	3
240 Basic Electricity	3
286 General Metals II	3
298 Intro. to Technical Education	2
306 Plastics Mold Design	3
317 Time and Motion Study	2
319 Quality Control	3
322 Photography	2
388 Machine Shop	3
404 Architectural Drawing	3
	25
Sub Total	48

Sciences and Mathematics:

141	Plane Trigonometry	3
152	College Algebra	3
201	Elementary Physics	4
		10

English and Communications:

101	Composition I	3
391	Technical Writing	3
		6
Total		64

For the Two-Year Program in Electronics Technology

For students interested in a wide range of jobs in the field of electricity or electronics in all kinds of industry. These jobs would be related primarily to the installation, operation, maintenance and repair of industrial type electrical or electronics equipment. Graduates would be expected to secure positions such as electronics technician, electrical maintenance foreman, electronics mechanic, electrical draftsman, motor control specialist, power distribution specialist or technical salesman.

Required Courses in Industrial Education:

	Sem. Hrs.
240	Basic Electricity 3
241	Basic Electronics 3
298	Intro. to Technical Ed. 3
341	Transistors and Semi-Conductors 3
342	Communications Electronics 3
440	Industrial Electronics 3
443	Electric Power 3
343	FCC License 1
344	Residential Wiring 2

24

Additional Requirements:

103	Technical Drawing I	3
160	Intro. to Power & Fluid Mechanics	3
186	General Metals I	3
203	Technical Drawing II	3
286	General Metals II	3
317	Time and Motion Study	2
319	Quality Control	3
		20

(Other approved IE courses may be required by your adviser)

Total 44

Sciences and Mathematics:

111	Slide Rule	1
202	Elementary Physics II	4
141	Plane Trigonometry	3
152	College Algebra	3
		11

English and Communications:

101	Composition I	3
391	Technical Writing	3
		6

Social Sciences:

101	Intro. to American Economy	3
		3

Total Minimum Semester Hours . 64

Associate Degree in Broadcast Technology

The Associate Degree in Broadcast Technology will prepare individuals for employment as operators of commercial radio stations as well as filling a need for qualified personnel in the field of two-way radio communications, background music systems, and personnel that can enter into the field of educational television.

Required Courses in Industrial Education:

	Sem. Hrs.
103 Technical Drawing	3
186 General Metals I	3
240 Basic Electricity	3
241 Basic Electronics	3
298 Intro. to Technical Ed.	3
341 Transistors and Semi-Conductors	3
342 Communications Electronics	3
343 FCC License	1
Additional Approved IE courses	8
	30

Radio-Television:

150	Introduction to Broadcasting	3
250	Audio Production and Direction	4
340	Video Production and Direction	4
341	Audio Video Practicum I	1
342	Audio Video Practicum II	1
		13

English:

101	Composition I	3
391	Technical Writing	3
		6

Science:

202	Elementary Physics II	4
		4

Mathematics:

111	Slide Rule	1
152	College Algebra	3
141	Plane Trigonometry	3
		7

Electives	4
	4
Total	64

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements.

**Provisional High School Certificate
with Major in Industrial Arts**

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
IE	103	Technical Drawing	3
IE	102	Graphic Arts I	3
Psy	154	Life-Oriented Gen. Psy.	3
Math	152	College Algebra	3
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
IE	100	Intro. to Industry	1
IE	111	Basic Wood Technics	3
Ed	100	Orientation to Ed.	1
Sci	105	Intro. to Biological Science	3
PE		Activity course	1
Math	141	Plane Trigonometry	3
		Elective	2
			17

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
IE	203	Technical Drawing II	3
IE	186	General Metals I	3
Phys	201	Elementary Physics	4
HIth	150	Personal Health	2
			15

Second Semester

Ed	210	Human Growth & Devel. I	3
IE	240	Basic Electricity	3
Phys	202	Elementary Physics	4
		Humanities Elective	3
		Approved Minor Elective	3
			16

JUNIOR YEAR

First Semester

		Major Requirement	5
		Humanities Elective	3
		Approved Minor Elective	3
Econ	101	Intro. to American Economy	3
		Social Sciences Elective	2
			16

Second Semester

		Social Sciences Elective	3
		Humanities Elective	3
Ed	300	Intro. to Student Teaching	1
		Approved Minor Elective	6
		Major Requirement	3
			16

SENIOR YEAR

First Semester

IE	471	Seminar for Indus. Arts	1
		Social Sciences Elective	3
		Approved Minor Elective	6
IE		Major Requirement	4
IE	475	Teaching Indus. Arts	3
			17

Second Semester

Ed	477	Professional Semester	15
		(The Professional Semester may be taken either semester of the senior year)	

15

Provisional High School Certificate
with an Area in Industrial Arts

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Sci	105	Intro. Biological Science	3
Math	152	College Algebra	3
IE	103	Technical Drawing	3
IE		Area requirement	3
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
Ed	100	Orientation in Education	1
Math	141	Plane Trigonometry	3
Psy	154	Life-Oriented Gen. Psy.	3
IE	100	Introduction to Industry	1
		Area requirement	3
		Elective	2
			16

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
Phys	201	Elementary Physics	4
Soc	101	General Sociology	3
		Area requirement	3
		Humanities Elective	3
			16

Second Semester

Ed	210	Human Growth & Devel. I	3
IE	203	Technical Drawing	3
		Area requirement	5
		Activity course	1
		Industrial options	3
			15

JUNIOR YEAR

First Semester

Econ	101	Introduction to American Economy	3
Spch	370	Bus. and Prof. Speech	3
		Area requirements	6
		Industrial option	3
HIth	150	Personal Health	2
			17

Second Semester

Ed	300	Intro. to Student Teaching	1
		Social Sciences Elective	3
		Area requirements	6
		Industrial option	3
		Humanities elective	3
			16

SENIOR YEAR

First Semester

		Social Sciences Elective	3
IE	471	Seminar	1
IE	475	Teaching Industrial Arts	3
		Area requirements	6
		Industrial option	3
			16

Second Semester

Ed	477	Professional Semester	15
(The Professional Semester may be taken either semester of the senior year)			
			15

Bachelor of Science Degree with an Area of Concentration in Industrial Technology*

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
IE	103	Technical Drawing	3
Soc	101	General Sociology	3
Sci	105	Intro. to Biological Science	3
		Industrial option	3
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
IE	100	Intro. to Industry	1
Psy	154	Life-Oriented General Psy.	3
Math	152	College Algebra	3
		Activity Course	1
		Industrial option	3
		Elective	2
			16

SOPHOMORE YEAR

First Semester

HIth	150	Personal Health	2
Math	141	Plane Trigonometry	3
Phys	201	Elementary Physics	
		or	
Chem	111	General Chemistry	4
BA	281	Prin. of Accounting I	3
Econ	201	Prin. of Economics	3
			15

Second Semester

FA	160	Apprec. of the Fine Arts	3
Phys	202	Elementary Physics II	
		or	
Chem	112	General Chemistry	4
BA	282	Prin. of Accounting II	3
		Industrial Option	3
Eng	202	Intro. to Literature	3
			16

JUNIOR YEAR

First Semester

Spch	370	Bus. and Prof. Speech	3
		Humanities Elective	3
IE	317	Time and Motion	3
BA	350	Salesmanship	3
IE	330	Industrial Design	2
		Industrial Option	3
			17

Second Semester

BA	200	Intro. to Data Processing	3
		Social Sciences Elective	3
BA	404	Production Management	3
IE	319	Quality Control	3
		English Elective	3
		Industrial Option	3
			18

SENIOR YEAR

First Semester

IE	472	Basic Industries	2
Soc	376	Industrial Sociology	
		or	
Econ	302	Labor Problems	3
BA	402	Managerial Accounting	3
		Industrial Option	3
		Elective	6
			17

Second Semester

		Social Sciences Elective	3
Psy	353	Industrial Psychology	3
IE	473	Seminar for Indus. Tech.	1
BA	301	Principles of Management	3
		Elective	6
			16

*Program follows the business emphasis. Can be modified to provide for scientific emphasis.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Industrial Education 100. Introduction to Industry. (1-0-1); I.
An introduction to basic concepts of industry. The identification of the major industries and the development of an understanding of their impact upon society.

Industrial Education 102. Graphic Arts I. (1-4-3); I, II.
A survey course covering the broad practices, techniques and problems of the Graphic Arts Industry. Study and experience includes history, design and layout, composition methods, image reproduction, screen process, and bookcrafts.

Industrial Education 103. Technical Drawing I. (1-4-3); I, II.
A study of the principles and techniques of communicating ideas by means of graphic representation.

Industrial Education 106. Thermoplastic Processing. (2-2-3); I.
Prerequisite: Industrial Education 103.
Introduction is made to the materials and techniques employed in the processing of thermoplastics.

Industrial Education 107. Thermosetting Plastics Processing. (2-2-3); II.
Prerequisite: Industrial Education 103.
Study is made as to the various ways in which thermosetting plastic compounds are processed.

Industrial Education 111. Basic Wood Technics. (2-2-3); I, II.
This is the beginning course in Wood Technics, consisting of theory and application with particular emphasis on individual and industrial values of wood.

Industrial Education 160. Introduction to Power and Fluid Mechanics. (2-2-3); I, II.

Beginning instruction in energy sources and fluid systems. Steam engines, steam turbines, diesel engines, spark-ignition engines, exhaust emissions are studied.

Industrial Education 186. General Metals I. (2-2-3); I, II.
Ferrous and nonferrous metals, basic metallurgy and heat-treating, sheet metal, metal spinning and electroplating, basic welding.

Industrial Education 202. Graphic Arts II. (1-4-3); II.
Prerequisite: Industrial Education 102 or consent of instructor.
An advanced course for students to apply the principles and competencies developed in the initial course. Units include automatic press operation (letterpress and offset), bindery operations, and darkroom procedures for photography and photographic screen process applications to the Graphic Arts industry.

Industrial Education 203. Technical Drawing II. (1-4-3); I, II.
Prerequisite: Industrial Education 103 and sophomore standing.
Breadth and depth is derived from the background of principles and techniques developed previously in technical drawing.

Industrial Education 204. Descriptive Geometry. (2-2-3); II.
Prerequisite: Industrial Education 203.
The historical and theoretical background for technical drawing and the study of spacial problems.

Industrial Education 211. Advanced Wood Technics. (2-2-3); I, II.

Prerequisite: Industrial Education 111 or consent of instructor.

This is a continuation of Basic Wood Technics. It consists of advanced techniques and practices reflecting the wood industries through the study and use of theory, experimentation and evaluation.

Industrial Education 222. General Crafts. (1-2-2); I, II.

A survey of several craft media, involving a study of the common tools, skills, processes, and procedures in clay, glass, plastics, metal, stone, leather, and wood. Industrial applications of craft principles and processes will also be investigated.

Industrial Education 240. Basic Electricity. (2-2-3); II, III.

Ohms Law, series and parallel circuits, Kirchoffs Laws, magnetism, electrical measuring instruments, transformers, inductance, capacitance, introduction to electronics.

Industrial Education 241. Basic Electronics. (2-2-3); I, II.

Prerequisite: Industrial Education 240 or consent of instructor.

Impedance, Resonance, Vectors, introduction to semi-conductors, elementary radio.

Industrial Education 261. Power Mechanics. (2-2-3); I.

Control mechanisms are studied along with rocket engines, various forms of jet engines and advanced power systems.

Industrial Education 262. Fluid Power I. (2-2-3); II.

Beginning instruction in due area of power transfer devices utilizing fluid techniques. Primary emphasis is given to hydraulic and pneumatic systems.

Industrial Education 286. General Metals II. (2-2-3); II.

Prerequisite: Industrial Education 186 or consent of instructor.

Various metal forming and machining experiences emphasis on exact tolerances and precise dimensions. Foundry, lathe, mill, shaper and grinder experiences.

Industrial Education 298. Introduction to Technical Education. (2-0-2); I.

Industrial occupations; technical education services; the relation of technical education to other industrial education services; the historical development, current status, and trends in technical education.

Industrial Education 300. General Shop Organization. (2-2-3); II.

Prerequisite: Second semester junior or first semester senior standing and admission to teacher education program.

Students will be introduced to concepts of organization and administration of the general shop and identification and understanding of major concepts in industry which may be taught by integrating tools, materials, and processes.

Industrial Education 301. Tool Layout and Design. (2-2-3); I.

Prerequisite: Industrial Education 203.

The layout and design of machine tool jigs and fixtures; simple blanking, forming, and piercing dies; and plastics processing dies.

Industrial Education 302. Offset Lithography. (1-4-3); II.

Prerequisite: Industrial Education 202.

The study of the history and fundamentals of photo offset lithography in the graphic arts industry. Experience is achieved in copy preparation (hot or cold type), darkroom procedures (line copy and halftone film developing), stripping/plate making, press operation, and other facets relating to the industry.

Industrial Education 303. Technical Illustration. (2-2-3); II.

Prerequisite: Industrial Education 203.

A study of the principles, practices, and techniques used in industry to describe complex mechanisms.

Industrial Education 305. Housing. (2-2-3); I.

Prerequisite: Industrial Education 103 or consent of instructor.

Instruction centers around the problems, practices, and techniques of the housing industry, including historical development.

Industrial Education 306. Plastics Mold Design and Construction. (2-2-3); II.

Prerequisite: Industrial Education 106, 107, 211 and 388 or consent of the instructor.

Study and experiences evolve around the design of products in relationship to the physical characteristics of plastics, molding techniques, and mold construction methods.

Industrial Education 311. Design and Construction. (1-4-3); II.

Prerequisite: Industrial Education 211.

Students design, plan, construct and finish an appropriate product requiring knowledge of advanced principles and techniques in wood technology.

Industrial Education 317. Time and Motion Study. (2-0-2); I.

Prerequisite: Upper division standing.

Process charts, analysis of methods, materials, tools and equipment of industry for profit improvement.

Industrial Education 319. Quality Control. (2-2-3); II.

Prerequisite: Upper division standing.

Analytical and statistical inference techniques for process and manufacturing product control. Development of process capabilities and derivation of process limit graphs.

Industrial Education 322. Photography. (1-2-2); I, II.

Prerequisite: Junior or senior standing and consent of instructor.

An introductory course emphasizing the techniques and mechanics of photography as they apply to composition and darkroom procedures. Students will provide their own equipment and supplies (focusing camera, film, and enlarging paper).

Industrial Education 330. Industrial Design. (1-2-2); I, II.

Prerequisite: Upper division students of Industrial Education. Product design with emphasis upon modular systems, consumer reactions, and manufacturing capabilities. Individual and group activities using interdisciplinary and systems design techniques.

Industrial Education 341. Transistors and Semi-conductors. (2-2-3); I.

Prerequisite: Industrial Education 241 or consent of the instructor.

Diodes, transistors, power supplies, audio-amplifier design.

Industrial Education 342. Communications Electronics. (2-2-3); II.

Prerequisite: Industrial Education 241 or consent of the instructor.

Theory of radio and T.V. receivers and transmitters. Radio and T.V. receiver servicing. Vacuum tube theory and practice.

Industrial Education 343. FCC License. (1-0-1); I.

Prerequisite: Industrial Education 240, 342, or consent of instructor. Students desiring an amateur license must have taken Industrial Education 240. Students desiring a commercial license must have taken Industrial Education 342. Theory and practice to aid students in obtaining a Federal Communication Commission amateur or commercial radio operator's license.

Industrial Education 344. Residential Wiring. (1-2-2); II.

Theory and practice of wiring new and old houses or farm buildings according to the National Electric Code.

Industrial Education 350. Machine Composition I. (1-4-3); I, II.

Prerequisites: Industrial Education 202 or consent of instructor.

Designed to introduce students to the history and development of linecasting machines while acquainting them with keyboard operation; mechanical processes; slug casting; mechanical adjustments; and maintenance.

Industrial Education 351. Graphic Duplication. (1-2-2); II.

Prerequisite: For Business Division majors; consent of the instructor; for Industrial Education majors; Industrial Education 202.

A survey of the use of various methods and devices of the Graphic Arts currently used in the typical office or in-plant reproduction center. Experience will be gained in the preparation of direct and indirect methods of producing graphic images.

Industrial Education 364. Career and Vocational Guidance. (3-0-3); II.

(See Education 364.)

Industrial Education 381. Related Science, Mathematics, and Technology in Occupations—offered only through written examination. (0-0-6); I, II, III.

Prerequisite: Individual must be eligible for a Vocational Industrial Teaching Certificate.

Courses will be offered only through a scheduled examination. (Written, performance and oral examinations in the field of specialization that the candidate is preparing to teach.)

Industrial Education 382. Manipulative Skills in Occupations—offered only through technical competence examinations. (0-0-6); I, II, III.

Prerequisite: Individual must be eligible for a Vocational Industrial Teaching Certificate.

Courses will be offered only through a scheduled examination. (Written, performance and oral examinations in the field of specialization that the candidate is preparing to teach.)

Industrial Education 383. Knowledge of related subjects in occupations—offered only through oral examinations. (0-0-6); I, II, III.

Prerequisite: Individual must be eligible for a Vocational Industrial Training Certificate.

Courses will be offered only through a scheduled examination. (Written, performance and oral examinations in the field of specialization that the candidate is preparing to teach.)

Industrial Education 388. Machine Shop I. (2-2-3); I.

Prerequisite: Industrial Education 286 or consent of instructor.

Precision machining methods with related tool theory, precision layout, tool grinding, and speed/feed characteristics. Gear development, numerical control, optical measurement, and chipless machining.

Industrial Education 390. Principles of Trade and Industrial Education. (2-0-2); II.

The history of vocational education, educational implications, types of curriculums, types of schools, occupational preparations, and vocational guidance.

Industrial Education 391. Trade and Technical Analysis Techniques. (2-0-2); I.

The techniques used in analyzing a trade and jobs within a trade; in discovering the teachable content and the method of using scientific analysis in the development of a course outline.

Industrial Education 392. Instructional Materials. (2-0-2); II.
Prerequisite: Industrial Education 391.

This course aids the prospective instructor in visualizing the overview of the subject or trade he is to teach and how to organize the teaching material into a concise and logical arrangement for the most effective teaching.

Industrial Education 393. Methods in Vocational Industrial Education. (3-0-3); I.

Basic principles of teaching and learning with practical applications and procedures used in industrial education programs.

Industrial Education 394. Student Teaching in Vocational Industrial Education. (Four to eight hours); I, II, III.

Prerequisite: Industrial Education 393.

Directed observation and supervised teaching in an approved Area Vocational School or an Extension Center in the trade and area in which the certificate is desired.

Candidates for the Associate Degree will complete a minimum of 45 hours of supervised teaching, 60 hours of directed observation, and 20 hours of participation. This experience carries four hours of credit.

Candidates for the Bachelor's Degree complete a minimum of 90 hours of supervised student teaching, 120 hours of directed observation, and 40 hours of participation. This experience carries eight hours of credit.

Industrial Education 395. Special Problems in Vocational Industrial Education. (One-three hours); I, II, III.

Prerequisite: Permission of the instructor.

Individual problems dealing with specific areas in the teaching field of the student. Opportunity of pursuing a technical problem in a laboratory orientation is provided. Conferences with the instructor are scheduled as needed.

Industrial Education 398. Supervised Field Experience. (One to six hours); I, II, III.

Prerequisite: 20 hours in major department and consent of the departmental chairman.

An enrichment program which will give experience in an occupational area which is not possible to provide a classroom setting. Student will work under supervision in an approved organization for a period of time specified by his major department. Credit will be commensurate with the amount of time worked. The student will be supervised by faculty from his major department. A representative of the cooperating organization will be directly responsible for the work experience of the student and will make a written evaluation of the student periodically.

Industrial Education 403. Machine Drawing and Design. (2-2-3); II.

Prerequisite: Industrial Education 301.

Mathematical and graphic solutions of problems involving the principles of machine elements. A study of motions of linkages, velocities and accelerations of points within a link mechanism; layout methods for designing cams, belts, pulleys, gears, and gear trains.

Industrial Education 404. Architectural Drawing. (2-2-3); II.

Prerequisite: Industrial Education 305.

A technical course covering the fundamental principles, techniques and practices of residential and selected commercial architecture.

Industrial Education 411. Wood Technics. (2-2-3); II.

Prerequisite: Industrial Education 111, 211.

A study of the problems and processes of the major wood industries in the United States. Various industrial processes, application and testing are utilized in mass production and individual projects.

Industrial Education 440. Industrial Electronics. (2-2-3); II.

Prerequisite: Industrial Education 341 or the consent of the instructor.

Theory and operation of timers, multivibrators, pulse generators, diode logic gates, transistor logic gates, electrical principles of digital computers, counters, FET, SCR, Oscillators.

Industrial Education 443. Electric Power. (2-2-3); I.

Prerequisite: Industrial Education 241 or the consent of the instructor.

Theory and operation of generators, motors, transformers, and electrical distribution systems. Emphasis on the selection, operation and repair of AC or DC motors and motor controls and related electrical drafting.

Industrial Education 450. Machine Composition II. (1-4-3); II.

Prerequisite: Industrial Education 350.

A follow-up course to Machine Composition I, (IE 350) concentrating on the intricate facets of typesetting as performed by experienced operators in commercial shops or newspapers to simulate an actual industrial experience in the classroom.

Industrial Education 471. Seminar for Industrial Arts. (1-0-1); I, II.

Prerequisite: Second semester junior or senior standing.

Through informal discussions, participants will be expected to develop a further understanding of the underlying concepts of the industry and education.

Industrial Education 472. Basic Industries Practicum. (1-2-2); II.

Prerequisite: Upper division standing in Industrial Education. A study of basic industry through lecture-discussion, reports, and field trips. Emphasis will be placed on direct contact with local industry through a minimum of seven field trips.

Industrial Education 473. Seminar for Industrial Technology. (1-0-1); I, II.

Prerequisite: Senior Industrial Technology major.

Each student assumes the responsibility for one or more programs followed by an informal discussion. Faculty presentations enrich the experience by raising real problems and issues confronting the industrial technology graduate.

Industrial Education 475. Teaching Industrial Arts. (3-0-3); I, II.

Prerequisite: Second semester junior or senior standing. (Should be taken just prior to Professional semester.) Must be admitted to Teacher Education Program.

A study of the objectives of industrial arts and related behavioral changes; industrial arts curricular patterns and trends; selection and organization of subject matter; problem selection and the project method of teaching; instructional materials and teaching aids; testing and evaluation; and professional growth.

Industrial Education 476. Special Problems. (One to three hours); I, II, III.

Prerequisite: Upper division standing.

Designed for the purpose of permitting a student to do advanced work as a continuation of an earlier experience or to work in an area of special interest.

Industrial Education 486. Patternmaking and Foundry. (1-2-2); II.

Casting of hot metals with activities in pattern development, sand testing, and mold design.

Industrial Education 488. Machine Shop II. (1-4-3); II.

Prerequisite: Industrial Education 388.

Advanced tool and machining theory, use of carbides with emphasis on production machining. Turret and progressive tooling design.

Industrial Education 496. Organization and Management of the Laboratory. (2-0-2); I.

Prerequisite: Industrial Education 393.

Principles of shop and class organization and management including—program planning and development of shops and laboratories; selecting and purchasing equipment and supplies; and organizing and administering the instructional program.

Industrial Education 497. Seminar in Vocational Industrial Education. (1-0-1); II.

Current problems, issues and trends in Vocational Industrial Education.

Industrial Education 520. Industrial Arts for the Elementary Teacher. (2-2-3); III.

Prerequisite: Formal admission to the Teacher Education Program.

This course is designed as a means to develop professional and technical competencies of pre-service and in-service elementary school teachers so they may enrich and strengthen programs of instruction by using industrial arts as both method and content. (Formerly 320G)

Industrial Education 541. Electricity-Electronics Workshop for Teachers. (2-2-3); III.

Prerequisite: Senior Industrial Education Major or experienced teacher.

Designed for teachers at all levels to improve background in electricity-electronics. Laboratory experiments, demonstrations, demonstration equipment, projects, curriculum, and methods of teaching electrical concepts, teaching aids. (Formerly 441G)

Industrial Education 560. Foundations of Industrial Education. (3-0-3); II.

Study of the philosophical positions underlying the development of industrial education; leaders, their influence and contributions; contemporary educational theories affecting the current programs of industrial education. (Formerly 460G)

Industrial Education 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels. (Formerly 485G)

Industrial Education 640. Administration and Supervision of Industrial Education. (3-0-3); III.

Problems to be considered will include: program planning and development; state and federal legislation; planning industrial education shops and laboratories; selecting and purchasing equipment and supplies; organizing and administering the instructional program; and school and community relations. (Formerly 540)

Industrial Education 660. Trends and Issues in Industrial Education. (2-0-2); III.

The identification and study of problems and issues in industrial education. A foundation for continued professional growth will be established through independent thinking and expression. (Formerly 560)

Industrial Education 670. Research Problems. (One to three hours); I.

Prerequisite: Undergraduate area of concentration or major in Industrial Arts.

A self-directed independent study on a professional problem in industrial education. Students must present in writing and have approved a suggested problem as well as a justification for the study. (Formerly 570)

Industrial Education 671. Seminar. (1-0-1); III.

A study of current technological developments within industry and their concomitant impact upon society. Following a brief presentation by a student, faculty member, or guest speaker, the group will discuss the topic informally. (Formerly 571)

Industrial Education 675. Analysis of Research. (2-0-2); III.

Prerequisite: Advanced graduate standing or consent of instructor.

Current research related to the field of industrial education will serve as the basis for developing an understanding of research design, sampling procedures, hypotheses testing and statistical analyses by using parametric and nonparametric procedures. Taught alternate summer terms. (Formerly 575)

Industrial Education 676. Independent study. (One to three hours); I, II, III.

Prerequisite: 12 hours of Industrial Education at the undergraduate level.

Provides the creative and resourceful graduate student with the opportunity to pursue a technical problem with a laboratory orientation. One or more advisors will be assigned in relation to the nature of the problem. (Formerly 576)

Department of NURSING AND ALLIED HEALTH

Doris McDowell, M. Ed., Head

The Department of Nursing and Allied Health prepares individuals to function independently and as health team members in providing services to persons with health problems.

The manpower shortage in the health service industry occurs in health occupations that vary in education and training requirements from four years or more beyond the high school level to less than a high school education and relatively short periods of instruction. The development of auxiliary personnel in various health service areas has taken place over the years to facilitate adequate delivery of health services by skilled and competent personnel and to relieve the professional worker for more complex activities.

In implementing the Department of Nursing and Allied Health, Morehead State University recognized the need and accepted the challenge of providing educational opportunities for the broad spectrum of health service workers in those areas where it can best serve and provide quality education. The Department provides preparatory programs in nursing and other allied health fields. A pre-professional program is maintained for those students who want to attend Morehead but desire to continue their health field education in a professional preparatory program in another institution. The Department also offers a teacher education program for teachers in health occupations education and short-term continuing education courses for practitioners in the health field.



MENTAL HEALTH TECHNOLOGY

The associate degree program in mental health prepares men and women for careers as mental health technicians. These technicians work with patients who are emotionally disturbed, mentally disabled or mentally retarded. Students of any age, married or single, are eligible to apply.

Admission to the University does not give automatic admission to the mental health technology program. For additional information, contact the head of the Department of Nursing and Allied Health.

REQUIREMENTS:

FIRST SEMESTER

			Sem. Hrs.
Eng	101	English Composition I	3
Psy	154	General Psychology	3
Soc	101	General Sociology	3
NAH	100	Orientation to Allied Health	3
NAH	101	Medical Terminology	2
MHT	101	Mental Health Technology I	3
			17

SECOND SEMESTER

Eng	102	English Composition II	3
Ed	205	Mental Health (Special Section)	3
IE	222	General Crafts	2
MHT	102	Mental Health Technology II	3
NAH	351	Practicum I	2
		Elective with Advisor approval	3
			16

INTERSESSION

MHT	203	Mental Health Technology III	3
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THIRD SEMESTER

			Sem. Hrs.
HIth	303	Community Health	3
HIth	150	Personal Health	2
Rec	288	Recreational Arts & Crafts	2
MHT	204	Mental Health Technology IV	3
NAH	352	Practicum II	2
		Elective with Advisor approval	3
			15

FOURTH SEMESTER

HEc	453	Problems of the Family	3
Rec	305	Social Recreation	3
MHT	205	Mental Health Technology V	3
NAH	353	Practicum III	2
NAH	301	Seminar	3
		Elective with Advisor approval	3
			15
		Total hours	66

NURSING

The associate degree program will prepare men and women for a career in technical nursing at the registered nurse level. Students of any age, married, or single, will be eligible to apply.

Admission to the University does not give automatic admission to the nursing program. For additional information, contact the head of the Department of Nursing and Allied Health.

REQUIREMENTS:

FIRST SEMESTER

Psy	154	General Psychology (Life-Oriented)	3
Biol	331	Human Anatomy	3
NAH	101	Medical Terminology	2
Nurs	100	Nursing Orientation	1
Nurs	101	Nursing I	6
			15

SECOND SEMESTER

Ed	205	Mental Health	3
Biol	332	Human Physiology	3
Biol	217	Elementary Medical Microbiology	3
Nurs	102	Nursing II	6
		Personal Development Institute	0
			15

INTERSESSION

Nurs	203	Nursing III	3
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THIRD SEMESTER

Eng	101	English Composition I	3
HEc	220	Nutrition	3
Nurs	204	Nursing IV (½ sem.)	3
Nurs	205	Nursing V (½ sem.)	3
Nurs	301	Nursing Seminar I	3
			15

FOURTH SEMESTER

Eng	102	English Composition II	3
Nurs	206	Nursing VI	6
Nurs	302	Nursing Seminar II	3
Nurs	360	Nursing Trends	2
		Elective	1
			15
Total hours			63

PRE-NURSING

A pre-nursing program is offered for students who plan to transfer to another institution to enter a nursing program that grants a baccalaureate degree. A program will be planned for each student to accommodate the institution(s) of his/her choice.

It should be understood, however, that admission to the pre-nursing program at Morehead State University gives no prior commitment to any specific school of nursing. The candidate must be admitted by the institution to which he/she is transferring.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; and III—summer.

MHT 101. Mental Health Technology I. (3-0-3); I.

Consideration of current psychiatric concepts and the therapeutic roles in the care of the mentally ill at all age levels. An overview of the various types of agencies concerned with mental health and identification of the role of the mental health technologist in each agency. Communication skills and understanding of personal and interpersonal relationships will be integrated into the total. The skill of observation and the importance of reporting and recording will be stressed.

MHT 102. Mental Health Technology II. (3-0-3); II.

Prerequisite: Successful completion of MHT 101.

Continuation of MHT 101 with further development of interpersonal skills, focus on deviate patterns of behavior and mechanisms of adjustment.

MHT 203. Mental Health Technology III. (10-25-3); Inter-session.

Prerequisite: Successful completion of MHT 102.

Student will be rotated through different services in a psychiatric hospital. The student will be considered a member of the mental health team but will function under faculty supervision. Clinical experiences and correlated theory will focus on principles and techniques basic to the treatment of people with psychosocial problems.

MHT 204. Mental Health Technology IV, (3-0-3); I.

Prerequisite: Successful completion of MHT 203.

Further development of the small group process. Special attention to mental retardation and problems in emotional dependency. Crisis intervention will be emphasized. General rules for giving medications will be included.

MHT 205. Mental Health Technology V. (3-0-3); II.

Prerequisite: Successful completion of MHT 204.

Further development of theories of psychopathology. Psychiatric diagnostic classifications. Community mental health services and rehabilitation resources. The role of the mental health technician in education and public relations.

Nursing 100. Nursing Orientation. (1-0-1); I.

A survey of historical, philosophical, and social factors which have affected nursing and nursing education.

Nursing 101. Nursing I. (3-9-6); I.

Prerequisite: Official enrollment in the nursing program.

A study of basic nursing knowledge and skills involved in administering nursing care common to all patients. Emphasis will be placed on the nursing care required to meet the basic needs of patients including hygiene, rest, comfort, and nutrition. Asepsis, patient safety, nursing observation, communications, and interpersonal relationships will be integrated into the total content. The process of developing, implementing, and evaluating nursing care plans will be included.

Nursing 102. Nursing II. (3-9-6); II.

Prerequisite: Successful completion of Nursing I.

Theory and correlated nursing care of selected patients with common medical-surgical problems. Application of principles for establishing therapeutic nurse-patient relationships. Principles of pharmacology will be introduced and developed as appropriate in sequential nursing courses—emphasis will be on the understandings that are essential to the nurse in the administration of medications.

Nursing 203. Nursing III. (10-25-3); Intersession (3 weeks).

Prerequisite: Successful completion of Nursing II.

Theory and correlated nursing care of the mentally ill patient. Emphasis will be on mental health principles as they apply to the symptomatology and treatment of mental dysfunction. Communication skills and understanding of personal and interpersonal relationships will be integrated into the total content.

Nursing 204. Nursing IV. (3-9-3); I (½ semester).

Prerequisite: Successful completion of first year of nursing program.

Concentration on the nursing care of mothers and newborn infants. A study of the normal physiological and emotional changes in the mother during the maternity cycle and in the baby during the birth process and early infancy. Possible complications and the nurse's role in prevention and treatment will be included.

Nursing 205. Nursing V. (3-9-3); I (½ semester).

Prerequisite: Successful completion of first year of nursing program.

Concentration on growth factors and needs of children in health and disease. Theory and nursing care of children in the hospital setting. Communicable diseases of childhood will be included with emphasis on early recognition, prevention, treatment, and rehabilitation.

Nursing 206. Nursing VI. (3-9-6); II.

Prerequisite: Successful completion of first year of nursing program.

Theory and correlated nursing care of medical-surgical patients with increasingly complex nursing needs. Emphasis will be given to determining priority when a patient has multiple nursing needs. Patient-instruction and referrals of patients to other health agencies will be included. Successful functioning with the nursing team will be an integral part of the total course. Evaluation of nursing care plans and nursing care will be emphasized.

Nursing 301. Nursing Seminar I. (3-0-3); I.

Prerequisite: Successful completion of first year of nursing program. Recommended to be taken concurrently with Nursing IV and Nursing V.

Lecture and discussion of nursing problems related to human growth and development from conception to senescence. Emphasis will be on the psychological and social changes in the family occurring in the maternity cycle; on the child as an individual; the effects of the ill child on the family and the nurse-child-family relationship; the physiological, psychological, and sociological changes common to geriatrics.

Nursing 302. Nursing Seminar II. (3-0-3); II.

Prerequisite: Successful completion of first year of nursing program. Recommended to be taken concurrently with Nursing VI.

Lecture and discussion of nursing problems related to pathologic physiology that require medical-surgical intervention. The behavioral response of the patient under the stress of illness will be considered. The effect of community aspects and cultural influences that contribute to the effectiveness of patient rehabilitation efforts will be included.

Nursing 360. Nursing Trends. (2-0-2); II.

Prerequisite: Successful completion of first year of nursing program.

Consideration of issues in nursing and the relationship of nursing to the social order. The problems, responsibilities, and challenges of the registered nurse as a member of the nursing profession and the community. Professional ethics, legal aspects, and implications of nursing practice, and employment and educational opportunities in the field.

ALLIED HEALTH

Programs will be initiated as the needs are determined and the educational facilities are available.

Nursing and Allied Health 100. Orientation to Allied Health. (3-0-3); I.

A review of the history of the health occupations, the ethics of health care and professional conduct. The various health careers will be identified, their functions described, and the way in which they articulate into the health care team is studied.

Nursing and Allied Health 101. Medical Terminology. (2-0-2); I.

A word-study course of medical terminology. The vocabulary will be taught from a word aspect; a knowledge of medicine or related disciplines is not necessary. Common word components in the medical language will be studied for meaning recognition in combination with other components.

Nursing and Allied Health 301. Seminar. (One to three semester hours); II.

Lecture and discussion of problems related to major area and/or health field. Readings in current literature.

Nursing and Allied Health 351. Practicum. (One to three semester hours); I, II.

Corequisite: To be correlated with a course in major area in Department of Nursing and Allied Health.

Supervised clinical learning experience in an appropriate agency or facility through which the students acquire understanding and skill in their major or area of concentration. The student learns to deal with the patient's physical, mental and social problems; accepts responsibility as a participating team member; learns to work with other professional and non-professional personnel.

Nursing and Allied Health 352. Practicum. (One to three semester hours); I, II.

Corequisite: To be correlated with a course in major area in Department of Nursing and Allied Health.

Supervised clinical learning experience in an appropriate agency of facility through which the students acquire understanding and skill in their major or area of concentration. The student learns to deal with the patient's physical, mental, and social problems; accepts responsibilities as a participating team member; learns to work with other professional and non-professional personnel.

Nursing and Allied Health 353. Practicum. (One to three semester hours); I, II.

Corequisite: To be correlated with a course in major area in Department of Nursing and Allied Health.

Supervised clinical learning experience in an appropriate agency of facility through which the students acquire understanding and skill in their major or area of concentration. The student learns to deal with the patient's physical, mental, and social problems; accepts responsibilities as a participating team member; learns to work with other professional and non-professional personnel.

Nursing and Allied Health 375. Student Supervision in the Clinical Facility. (3-0-3); III.

Study of the basic principles of student supervision in the clinical facility of a health agency. Designed to help teachers in health occupations education acquire the skills necessary to direct the student's clinical experience for the most desirable learning.

Nursing and Allied Health 398. Supervised Field Experience. (One to six semester hours); I, II, III.

Prerequisite: Consent of student's advisor.

Designed to provide experience in occupational area as student works under supervision in an approved position. Credit commensurate with time worked, type of work, variety of work experiences. Periodic evaluation by major department, faculty, and cooperating organization.

Nursing and Allied Health 461. Legal Trends of Health Occupations Education. (3-0-3); III.

A study of the legal development of health occupations education under vocational education at the national level and in Kentucky. State licensure laws and Federal legislation will be included to the extent that it is related to health occupations education. Educational trends in the health field will be considered from current literature and legislation.

Nursing and Allied Health 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.

Prerequisite: Senior or graduate standing.

Background, development, objectives, principles, philosophy, status, and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels. (Formerly 485G)

FACULTY, SCHOOL OF APPLIED SCIENCES AND TECHNOLOGY**Charles F. Ward, Ed.D., Dean****Department of Agriculture****Charles M. Derrickson, Ph.D., Head****BENDIXEN, JOE F.***Associate Professor*

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D.V.M. Auburn University.

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B.S., M.A., Ball State University;

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BELL, THELMA*Professor*

B.S., North Texas State Teachers College;

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CHANDLER, DEBRAH*Instructor*

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*HORNBACK, BETTY J.

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McCLASKEY, BETTIE W.

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SMITH, PATTY RAI

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Department of Industrial Education

Norman N. Roberts, Ph.D., Head

BAKER, TIM

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B.S., Northeastern State College (Oklahoma);

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B.S., B.S.Ed., M.S.Ed., Northwestern State College
(Louisiana).

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B.S., M.S.Ed., Southern Illinois University;

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*On leave

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B.S., Morehead State University;

M.S., Stout State University (Wisconsin);

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B.S., Western Kentucky University;

M.A., San Jose State College, California;

Ph.D., The Ohio State University.

At Morehead since 1973.

TUCKER, RONALD F.

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B.S., M.Ed., North Carolina State University;

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Department of Nursing and Allied Health

Doris D. McDowell, M.Ed., Head

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RN, Deaconess Hospital School of Nursing;

B.S.N., Nazareth College;

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PORTER, BETTY M.

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R N, King's Daughters Hospital School of Nursing;

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TAPP, ELIZABETH L.

Instructor

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B.S., Morehead State University.

At Morehead since 1972.



SCHOOL OF

Business and Economics

Richard P. Baxter, Ph.D., Dean

ACCOUNTING
BUSINESS ADMINISTRATION
BUSINESS EDUCATION
ECONOMICS

The School of Business and Economics is comprised of four departments: (1) Accounting, (2) Business Administration, (3) Business Education, and (4) Economics.

The programs of the School are designed to prepare students for employment in business and government, for teaching in secondary schools, or for additional study in business or economics at the graduate level. Through the general education requirements of the University, the School attempts to provide the student with a well-rounded education.

The School offers programs in Accounting, Business Administration, Business Education, and Economics leading to the bachelor's degree. In addition, a masters degree program is offered in Business Education. Special one-and two-year paraprofessional programs are offered through the Business Administration and Business Education departments. Specific programs are listed under each department.

Department of ACCOUNTING

The Department of Accounting offers the following degree programs:

- an OPTION in Accounting in the Bachelor of Business Administration (BBA) degree;
- a MAJOR in Accounting in the Bachelor of Science (BS) degree, either teaching or non-teaching; and
- a MINOR in Accounting in the Bachelor of Science (BS) degree.

These courses of study are designed to prepare students for accounting careers in business, government, teaching, and professional accounting.

The BBA Degree—Accounting Option

This program generally conforms to the recommendations of the Committee on Education of the American Institute of Certified Public Accountants, and satisfies the educational requirements to sit for the CPA examination. As well, this curriculum is structured to provide a solid basis for graduate study in either business administration or accounting.

Degree Requirements:

	Sem. Hrs.
BBA Core: Acct 281, 282; BA 200, 252, 301, 304, 360, 461, 471; Econ 350, 351; BE 221	34
Accounting Option: Acct 384, 385, 387, 390, 483, and 6 hours of advanced electives in accounting	21
General Education:	
Communications and Humanities	18
(must include Speech 370)	
Social Sciences	12
(must include Econ 201, 202)	
Mathematics and Science	12
(must include Math 152, 353)	
Health and Physical Education	4
Free Electives	27
Total for BBA degree	128

The Bachelor of Science Degree—Major in Accounting:

This program is available for students who wish to combine the study of accounting with another major field, or a minor field, of study. Students contemplating careers in law or in government often find that the study of accounting in combination with economics, history, or political science is desirable.

Requirements for the Major without Teacher's Certificate:

Acct 281, 282, 384, 385, 387, 390, 483; BA 471;
and 12 hours of advanced electives in accounting . . . 34 hours
The student must also include as part of his General Education coursework the following courses: Economics 201, 202; Mathematics 152, 353; Speech 370.

Requirements for the Major WITH Teacher's Certification:

In addition to courses required for the major, students who desire the teacher's certificate must include in their program of study the courses that are required for teacher certification. Ordinarily, this amounts to 25 hours of professional education coursework; BE 471 is substituted for BA 471.

The Bachelor of Science Degree—Minor in Accounting:

The course requirements for a minor in accounting are:
Acct 281, 282, 384, 385, 390, and 6 hours of
advanced electives in accounting

DESCRIPTION OF COURSES

NOTE: (3-0-3) following a course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—Fall; II—Spring; III—Summer.

Accounting 281. Principles of Accounting I. (3-0-3); I, II, III.
Meaning and purpose of accounting; the balance sheet; the income statement; books of original entry; special journals; adjusting and closing entries, controlling accounts; notes; interest; inventory; accounts receivable; fixed assets.

Accounting 282. Principles of Accounting II. (3-0-3); I, II, III.
Prerequisite: Accounting 281.
Payrolls; corporate accounts, ownership, and earnings; financial reporting; manufacturing accounting; funds flow analysis; interpretation of financial statements; managerial analysis.

Accounting 384. Intermediate Accounting I. (3-0-3); I, II.
Prerequisite: Accounting 282.
Fundamental accounting procedures; the accounting cycle; financial position; measurement of costs, revenues, and expenses; analysis of cash, temporary investments, receivables, inventories, investments, plant and equipment, intangibles, liabilities.

Accounting 385. Intermediate Accounting II. (3-0-3); I, II.
Prerequisite: Accounting 384; Business Administration 252.
Accounting theory and practice applicable to corporate net worth accounts and liabilities; appropriations and reserves; income determination; funds flow analysis; special problems of analysis, presentation, and interpretation of financial information.

Accounting 386. Internship in Accounting. (One to four hours); I, II, III.

Prerequisite: Accounting 385 and consent of Department.
On-the-job professional experience in accounting provided, by arrangement, through cooperating public accounting firms, industrial firms, and governmental agencies.

Accounting 387. Income Tax. (3-0-3); I, II.

Prerequisite: Accounting 282 or consent of Instructor.
Income tax legislation, Federal and State; returns for individuals; gross income; basis and determination of gain or loss; capital gains and losses; dividends; deductions; withholding. Also includes brief survey of tax law relating to partnerships, corporations, estates, trusts, and gifts.

Accounting 390. Cost Accounting I. (3-0-3); I.

Prerequisite: Accounting 282.
Control and classification of manufacturing costs; job order and process cost analysis; materials, labor, and overhead analysis; joint- and by-product costing.

Accounting 428. Consolidation and Fund Accounting. (formerly Accounting 328, Governmental and Regulated Industry Accounting.) (3-0-3); I.

Prerequisite: Accounting 385.
Fund accounting applications for local, state, and federal governmental units; budget preparation and theory; accounting for regulated industry; consolidation and merger accounting.

Accounting 476. Special Problems in Accounting. (One to three hours); I, II, III.

Prerequisite: Senior standing in accounting, and permission of Head of Department.

Provides interested and qualified accounting students opportunity to complete independent advanced work in an area of special interest within the field of major study.

Accounting 482. Advanced Accounting. (3-0-3); II.

Prerequisite: Accounting 384.

Special accounting problems; partnerships; installment transactions; consignment transactions; fiduciary accounting; home office and branch. (Formerly 482G, Specialized Accounting)

Accounting 483. Auditing. (3-0-3); I.

Prerequisite: Accounting 385.

Accounting principles applied to analysis of the accounting system; audit working papers; detail audit; internal audit; special audits; audit reports; tests and procedures used in auditing; professional-ethical responsibilities of the CPA.

Accounting 502. Managerial Accounting. (3-0-3); I, II, III.

Prerequisite: Accounting 282.

Analysis of cost data; manufacturing and cost analysis; budgets; managerial analysis; decision-making.

NOTE: May not be used to satisfy requirements for accounting major, minor, or option; primarily for non-accounting majors. (Formerly 402G)

Accounting 506. Theory of Accounts. (3-0-3); I.

Prerequisite: Accounting 385.

Study of development of accounting theory; application of theory to income measurement, asset valuation, and equities; review of literature of the field, emphasis on current periodicals and pronouncements. (Formerly 406G)

Accounting 570. Research Problems in Accounting. (One to three hours); I, II, III.

Prerequisite: Graduate standing with minor (or equivalent) in accounting.

Provides an opportunity and challenge for self directed, independent study on accounting problems. Student must present a written statement, prior to registration, of an approved research problem.

Accounting 584. C.P.A. Problems. (3-0-3); II.

Prerequisite: Senior standing in accounting (i.e., at least 20 hours in accounting or eligibility to sit for the CPA examination in state of residency.)

Application of generally accepted accounting principles to representative problems from CPA examinations. Covers four sections of exam (Practice, Theory, Auditing, and Business Law) with emphasis on the problem portions of the exams.

Accounting 587. Advanced Tax Accounting. (3-0-3); II.

Prerequisite: Accounting 387.

Federal income tax report preparation with emphasis on partnership, and corporate returns; estate and trust taxation; gift tax; special problems in preparation of tax returns; tax research.

Accounting 590. Cost Accounting II. (3-0-3); II.

Prerequisites: Accounting 390; Business Administration 252. Cost analysis for planning, evaluation, and control. Standard costs; direct costing; budgets; cost and profit analysis; alternate choice decisions; linear programming; capital investment analysis.

Accounting Course Cycle

Number	Course	Fall	Spring	Summer
281	Principles of Accounting I	X	X	X
282	Principles of Accounting II	X	X	X
384	Intermediate Accounting I	X	X	X
385	Intermediate Accounting II	X	X	X
386	Internship in Accounting	X	X	X
387	Income Tax	X	X	X
390	Cost Accounting I	X	X	
428	Consolidation & Fund Acctg	X		
476	Special Problems in Acctg	X	X	X
482	Advanced Accounting	X		
483	Auditing	X	X	
502	Managerial Accounting	X	X	X
506	Theory of Accounts	X		
570	Research Problems in Acctg	X	X	X
584	C.P.A. Problems		X	
587	Advanced Tax Accounting		X	
590	Cost Accounting II		X	

*Other advanced courses will be offered in the summer on the basis of demand.

Department of BUSINESS ADMINISTRATION

Eugene Martin, Ed.D., Head

The Department of Business Administration offers a four-year degree program in business administration, and a two-year program in computer technology. Students electing to pursue an area of concentration in business administration will earn a Bachelor of Business Administration degree, with an option in Computer Science, Finance, Management, or Marketing. Students pursuing a Bachelor of Science degree may elect a major in Business Administration, a minor in Business Administration, or a minor in Computer Science.



Requirements For The Bachelor of Business Administration Degree

The general education and core courses in this program are designed to provide the student in business administration with a broad base from which to pursue coursework in his special area of interest. Since all business functions are interrelated, the potential business manager must be acquainted with the basic areas of finance, marketing, accounting, management, business law, economics, and communications. The general education and basic core courses are listed below; the student (in consultation with his adviser) is expected to plan his program so that necessary prerequisites are met.

	Sem. Hrs.
I. Business Administration Core	34
Acct 281, 282	6
BA 200, 252, 301, 304 360, 461, 471	19
BE 221	3
Econ 350, 351	6

	Sem. Hrs.
II. Option Requirements	21
a. Accounting Option—see Department of Accounting	
b. Finance Option	
This program of studies is recommended for students who wish a background in financial management. Excellent career opportunities are available in consumer finance, banking, insurance, and in financial administration at the corporate level.	
Required Courses	12
Acct 384, 385	6
BA 323	3
Econ 342	3
Electives in Business and Economics approved by Department	9

c. Management Option

The management option is designed to prepare students for entrance into managerial careers in personnel, production, or general management. Since management of business firms involves both human and technical skills, students are provided with maximum breadth in the range of available elective courses.

Required Courses	12
Acct 390 or 502	3
BA 404, 410	6
Econ 302	3
Electives in Business and Economics approved by Department	9

d. Marketing Option

This option is arranged to prepare for entrance into marketing careers. The program is recommended for students who plan to work with sales departments of distributing and manufacturing concerns, wholesale establishments, advertising agencies, and agencies engaged in marketing research. It is also recommended for individuals who plan to work as specialty salesmen of consumer and industrial goods, and for those who plan to enter marketing management.

Required Courses	12
BA 350, 453, 455, 552	
Electives in Business and Economics approved by Department	9

e. Business Data Processing Option

This option is designed to prepare students for positions of responsibility in the rapidly developing fields of computer science, data processing, information technology, and systems design.

Required Courses	21
BA 210, 215, 260, 315, 320, 405, 515	

III. General Education

(See catalog section on Academic Information for University General Education Requirements.)

	Sem. Hrs.
Communications and Humanities	18
(Must include Speech 370)	
Science and Mathematics	12
(Must include Mathematics 152 and 353)	
Social Science and Economics	12
(Must include Econ 201 and 202)	
Health and Physical Education	4

IV. General Electives 27

(Selected in consultation with Departmental Adviser)

Minimum for BBA Degree 128 Sem. Hrs.

Bachelor of Science Degree Programs—Business Administration**MAJOR IN BUSINESS ADMINISTRATION**

The core for the Bachelor of Business Administration degree, consisting of 34 hours of required coursework, serves as the major in Business Administration for the Bachelor of Science degree. In addition, students completing this major are required to include the following general education courses in their program:

Econ 201, 202

Math 152, 353

Speech 370

MINOR IN BUSINESS ADMINISTRATION

	Sem. Hrs.
Courses Required	24
Acct 281, 282	6
BA 200, 252, 301, 360, 461	15
Elective in Business or Economics approved by Department	3

In addition, students completing this minor are required to include Econ 201 and 202 as part of their general education courses.

MINOR IN COMPUTER SCIENCE

Courses Required	24
BA 200, 210, 215, 260	
315, 320, 405, 515	

Associate of Applied Business Degree—Business Data Processing

The two-year program in Business Data Processing Technology is recommended for students interested in acquiring skills in electronic computer operations, business applications of computers and programming. The program is designed to meet specific needs of business, industry, and professional organizations for trained programming personnel.

	Sem. Hrs.
Required Courses	39
Acct 281, 282	6
BA 160, 200, 201, 202, 210, 215	
252, 260, 315, 320	30
BE 221	3
Minimum in Business	39

General Education Courses and Selected Electives:

	Sem. Hrs.
Economics 201	3
English 101, 102	6
Speech 110 or 370	3
Math 152 and 353	6
Physical Education (Activity Courses)	1
Electives	6
Total Additional Requirements	24
Minimum Requirements for Associate Degree	64

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Business Administration 160. Introduction to Business. (3-0-3); I, II, III.

Basic survey course; management; business organization; marketing; retailing; accounting; banking; finance; risk and insurance.

Business Administration 200. Introduction to Data Processing. (3-0-3); I, II, III.

Prerequisite: Math 152 or equivalent.

Fundamentals of data processing; punched-card applications; basic concepts of electronic computers; data processing organization; information technology; management responsibility.

Business Administration 201. Unit Record Equipment. (3-0-3); I.

Survey of unit record equipment; machines for accounting and record keeping; planning and wiring unit record equipment.

Business Administration 202. Data Processing Applications. (3-0-3); II.

Prerequisite: Business Administration 201.

Typical business data processing applications; case studies involving accounts receivable, accounts payable, inventory records, and payroll.

Business Administration 210. Computer Programming Fundamentals. (3-0-3); I.

Prerequisite: Business Administration 200.

Technical experience with stored program computer; machine design, components, logical function; machine language and symbolic programming language.

Business Administration 215. Business Computer Programming I. (3-0-3); I, II.

Prerequisite: Business Administration 210.

Fundamentals of business electronic data processing; practical business problems converted to EDP; symbolic programming system; magnetic tape concepts including Input-Output Control Systems.

Business Administration 252. Mathematics of Finance. (3-0-3); I, II.

Prerequisite: Mathematics 152.

Interest; annuities; amortization; sinking funds; bond valuation; depreciation; life insurance.

Business Administration 260. Fortran Programming. (3-0-3); II.

Prerequisites: Business Administration 200; or permission of instructor.

Introduction to FORTRAN Programming language. Application of mathematical techniques to problems in programming. Business, Engineering, Management, and Modeling examples are employed to provide comprehensive knowledge of the language.

Business Administration 301. Principles of Management. (3-0-3); I, II, III.

Prerequisites: Accounting 282 and Economics 202

History of management; the management process; the principles of management and their application in the operations of business. The fundamental concepts of management will be applied to such areas of business activity as organization, personnel, production, and research.

Business Administration 304. Marketing. (3-0-3); I, II.

Prerequisite: Economics 201.

Raw materials and products; organized exchange; analysis of market; market price; manufactured products; warehouses; cooperative societies; distribution organizations. (Formerly Economics 304)

Business Administration 315. Business Computer Programming II. (3-0-3); I.

Prerequisite: Business Administration 200.

COBOL programming system; COBOL language and conventions; case-method study approach emphasized.

Business Administration 320. Systems Design and Development. (3-0-3); II.

Prerequisite: Business Administration 200.

Total information system; includes analysis of present information flow; system specifications; equipment selection; implementation and documentation.

Business Administration 323. Financial Markets. (3-0-3); I.

Prerequisite: Accounting 281; Economics 202.

Institutional and business factors that influence demand and supply of funds; effect on price movements; detailed analysis of money and capital markets.

Business Administration 350. Salesmanship. (3-0-3); I, II.

The role of selling in the American economy; salesman's job and qualifications; development and application of sales techniques; selection, training, and management of the sales force.

Business Administration 360. Corporate Finance. (3-0-3); I, II, III.

Prerequisite: Business Administration 252; Accounting 282; Economics 202.

Financial management; management of cash, receivables, inventories, plant assets, short-term debt, long-term debt, intermediate-term debt; owners' equity.

Business Administration 364. Personal Finance. (2-0-2); I, II.

Budgeting, personal banking; consumer credit; insurance; investments; real estate; retirement planning.

Business Administration 405. Operating System: An Overview. (3-0-3); I.

Prerequisite: Business Administration 315 and 320.

Purpose and function of software; operating system monitors; machine language assemblers; procedure-oriented compilers; report generators; utility programs.

Business Administration 408. Risk Management and Insurance. (3-0-3); II.

Prerequisite: Economics 202.

Nature of risk and risk-bearing; organization, operation, and management of insurance business; fundamentals of insurance and contracts; survey of life, fire, and casualty insurance.

Business Administration 410. Personnel Management. (3-0-3); I, II.

Prerequisite: Business Administration 301.

Personnel management principles; job requirements; selection techniques; testing programs; facilitation of employee adjustment; wage and salary administration; legal aspects of labor relations; financial incentives.

Business Administration 450. Consumer Behavior. (3-0-3); II.

Prerequisite: Psychology 154 and Sociology 101 recommended.

Fundamental process of motivation, perception, and learning; nature and influence of individual predisposition; group influence on marketing; consumer decision processes; aggregate consumer behavior.

Business Administration 451. Retail Merchandising. (3-0-3); I, II.

Prerequisite: Business Administration 304.

Establishing a store; store organization; buying, pricing, and selling; planning and control; credit management; insurance; tax reports and operating analysis; basic principles of retailing.

Business Administration 453. Marketing Policies. (3-0-3); II.

Prerequisite: Business Administration 301 and 6 hrs. of marketing courses.

Overview of marketing functions; emphasis on formulation of policies and management of all marketing activities. Case studies used.

Business Administration 455. Advertising Principles and Procedures. (3-0-3); I.

Prerequisite: Business Administration 304.

Analysis of advertising as an indirect selling technique; emphasis on determining appeals, creating images, and developing coordinated campaigns. Actual campaign to be developed by each student; stress on ideas and concepts rather than mechanics.

Business Administration 461. Business Law I. (3-0-3); I, II.

Designed to acquaint the students with the basic principles of law as they apply to business, especially considering the impact of legal procedure on the business affairs of the individual. Coverage includes: social forces and the law, legal rights and remedies, court procedure, contracts, agency, employment, personal property, insurance, real property, leases, mortgages, trusts, and estates.

Business Administration 471. Seminar in Business Administration. (1-0-1); I, II, III.

Prerequisite: Senior standing—should be taken in final semester in residence.

Integration of principles and concepts from the several functional areas of study; special emphasis on behavioral aspects of the business organization; business as a social institution; business ethics, objectives, and responsibility.

Business Administration 476. Special Problems. (0-0-1 to 3); I, II, III.

Prerequisite: Senior standing and prior consent of Head of Department.

Self-directed independent study on a specific problem; based on written proposal and justification submitted by student prior to registration: each request will be considered on its own merit in relation to the special needs, interest, and abilities of the student.

Business Administration 504. Production Management. (3-0-3); II.

Prerequisite: Business Administration 301; Accounting 390 or 502.

Managerial organization for production; plant design and layout; control of production; investment in production equipment and materials; working capital; labor costs; production operations including scheduling, routing, and control.

Business Administration 515. Data Processing Field Project. (3-0-3); II.

Prerequisites: Business Administration 315 and 320.

Experience in an actual data processing situation outside the classroom; students assigned in university's data processing center or other approved computer facility.

Business Administration 552. Marketing Research and Analysis. (3-0-3); I.

Prerequisite: Economics 304; Math 353.

Study of use of research to minimize error in decision analysis; individual studies made by students in all areas of marketing including advertising, packaging, and merchandising. (Formerly 452G)

Business Administration 561. Business Law II. (3-0-3); I, II.

Prerequisite: Business Administration 461.

An extension of the coverage of Business Administration 461 to the application of legal procedure in the affairs of the business organization. Coverage includes: commercial paper, bailments, sales, secured transactions, suretyship and guarantee, partnerships, corporations, bankruptcy, and government and business. (Formerly 462G)

Business Administration 570. Research Problems in Business Administration. (0-0-1 to 3); I, II, III.

Prerequisites: Graduate standing with minor or equivalent in business administration.

Self directed, independent study and research in Business Administration. The student must present a written statement of the proposed project, approved by the department, at the time he registers for the course.

Department of BUSINESS EDUCATION

George Montgomery, Ed. D., Head

The Department of Business Education in the School of Business and Economics offers the following programs:

1. A Master of Business Education
2. An Area of Concentration in Business Education
3. Majors with Teacher's Certificates in Secretarial Studies or General Business
4. Non-teaching minors in Secretarial Studies or General Business
5. Two-year Associate of Applied Business Degrees in Office Management or Secretarial Studies
6. One-year Certificate Programs in Clerical Studies or Secretarial Studies

The programs of the Department are designed to develop the following characteristics within the students:

1. Those attitudes and skills necessary for competence in their chosen field.
2. The ability to perform in a technical and skilled manner the duties demanded in present-day business pursuits.
3. The ability to select, and interpret properly, experiences which will lead to better knowledge and understanding of the business procedures and of civic-social responsibility and behavior.
4. The decision-making ability that will enable them to think clearly, analyze carefully, and express thoughts and conclusions logically.
5. The intellectual stimulation necessary to achieve these objectives to the best of their ability.



Master of Business Education Degree

Students who are interested in doing graduate work in business education should consult the graduate bulletin, write to the Dean of Graduate Programs or the Head of the Department of Business Education, Morehead State University.

Preparation for Teaching

If a student wishes to concentrate his work in a single area, he may complete an area in business education. If this is done, no other major or minor is required. Upon completion of this program the student receives the Bachelor of Science degree and is qualified for the Provisional High School Certificate and is certified to teach in all subject areas of business education in the secondary schools of Kentucky.

NOTE: If the student wishes to obtain the Provisional High School Certificate valid for teaching Vocational Business and Office Education, he must either concentrate his work in the area of business education or select a major in either secretarial studies or general business. In addition, the student must have a minimum of 2,000 clock hours of approved business and office occupational experience.

Area of Concentration in Business Education**General Requirements: ***

	Sem. Hrs.
Acct 281, 282, and 3 hrs. Acct Elective	9
Secretarial Studies:	
BE 213, 221, 331, and 337	13
Electives in Secretarial Studies	6
General Business:	
BE 136	4
BA 461	3
Electives in General Business	11
Professional Business Education:	
BE 375, 376, 471, and 475	6
Total Hours	52

*In selecting the courses to fulfill the general requirements for graduation, the area of concentration in business education must include Economics 201 and 202, and Speech 370.

Majors in Business Education

Students may major in one of two areas in business education: (1) Secretarial Studies or (2) General Business. These majors provide an opportunity for students to combine business education teaching with other disciplines.

Major in Secretarial Studies with Teacher's Certificate*

	Sem. Hrs.
Secretarial Studies:	
Acct 281	3
BE 136, 212, 213, 232, 331, and 337	21
Professional Business Education:	
BE 375, 376, and 471	4
Approved electives from BA or BE	5
Total Hours	33

*In selecting courses to fulfill the general education requirements for graduation, the major in secretarial studies must include Speech 370.

Major in General Business With Teacher's Certificate*

	Sem. Hrs.
General Business:	
Acct 281, 282, and 3 hr. Acct Elective	9
BE 136	4
BA 200 and 461	6
Secretarial Studies:	
BE 212 and 337	6
Professional Business Education:	
BE 375, 471 and 475	5
Electives in General Business:	4
Total Hours	34

*In selecting courses to fulfill the general education requirements for graduation, the major in general business must include Economics 201.

MINORS IN BUSINESS EDUCATION WITHOUT CERTIFICATION

Minors are offered in Secretarial Studies or in General Business for those students who major in another discipline either with or without certification, but who do not desire certification in business education.

Minor In Secretarial Studies Without Certification

	Sem. Hrs.
Secretarial Studies:	
BE 136, 213, 232, 331 and 337	18
Electives from the following:	
Acct 281	
BA 200	
BE 212, 221, 290, 332 and 363	3
Total Hours	21

Minor In General Business Without Certification

	Sem. Hrs.
Acct 281	3
BA 200, and 461	6
BE 136, 212, 337, and 363	13
Total Hours	22

TWO-YEAR ASSOCIATE DEGREE PROGRAMS

The associate degree programs provide a two-year educational experience comprising general education and professional courses, with the goal of achieving intellectual versatility, adaptability and flexibility, and professional status and proficiency.

When students successfully complete 64 semester hours of required and elective course work, they are awarded an Associate of Applied Business Degree at the annual commencement exercise. These programs are available in (1) Office Management and (2) Secretarial Studies. Positions such as

receptionists, secretaries, and office managers are available to these graduates.

By careful selection within the curriculum, students will have no loss of credit should they desire to transfer to a four-year degree program.

The Associate of Applied Business Degree in Office Management

Office Management is designed to prepare graduates for positions as administrative assistants or as executive secretaries.

	Sem. Hrs.
Office Management:	
Acct 281 and 282	6
BA 200 and 301	6
BE 136, 212, 221, 337, and 363	16
Approved electives in BA or BE	4
	32

Additional General Education Requirements:

Eng 101 and 102	6
Hlth 150	2
Elective in Psychology	3
Elective in Economics	3
PS 141	3
Spch 370	3
Activity course	1
Science and/ or Science and Technology electives	6
General electives	5
	32

Minimum Requirements for Degree 64

The Associate of Applied Business Degree in Secretarial Studies

Secretarial Studies is designed to prepare graduates for positions in business as stenographers or secretaries in addition to providing the necessary background that will enable them to advance to a supervisory or administrative assistant position.

	Sem. Hrs.
Secretarial Studies:	
BE 136, 212, 213, 221, 232, 331, 332, and 337	27
Approved electives in Acct, BA, or BE	6
	33

Additional General Education Requirements:

Eng 101 and 102	6
Hlth 150	2
Elective in Psychology	3
Elective in Economics	3
PS 141	3
Spch 370	3
Activity course	1
Science and/or Science and Technology electives	6
General electives	4
	31
Minimum Requirements for Degree	64

ONE-YEAR CERTIFICATE PROGRAMS

These curricula are designed for those students who have immediate occupational objectives and do not initially plan to pursue a degree program. After successful completion of 32 semester hours of directed course work, students are awarded certificates of completion in either clerical or secretarial studies. Sufficient preparation is provided for jobs such as typists, receptionists, stenographers, and office machine opera-

tors. Courses completed in the one-year programs may be applied toward degree programs, provided the regular University general education requirements are met.

Clerical Studies Certificate

Clerical Studies is especially designed for those students who are not interested in the development of shorthand skills, but who want to master the related office skills and knowledge.

	Sem. Hrs.
Business Education:	
BE 136, 211 or 212, 213, 221, 290, 337	19
Additional General Education Requirements:	
Eng 101 and 102	6
Elective in Psychology	3
Activity course	1
General electives	3
	13
Minimum Requirements for Certificate .	32

Secretarial Studies Certificate

Secretarial Studies is designed primarily for students who desire to develop proficiency in the art of shorthand writing and transcription in addition to acquiring the initial secretarial skills.

	Sem. Hrs.
Secretarial Studies:	
BE 136, 211 or 212, 213, 231 or 232, 331 and 337	21
Additional General Education Requirements:	
Eng 101 and 102	6
Elective in Psychology	3
Activity course	1
General electives	2
	12
Minimum Requirements for Certification	33

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Business Education 136. Business Calculations. (4-0-4); I, II, III.

Business problem solutions with aid of calculating machines. Payroll, banking, credit, insurance, investments, depreciation, amortization, weights and measures.

Business Education 211. Beginning Typewriting. (2-2-3); I, II, III.

Mastery of the keyboard and machine techniques. Emphasis on development of rapid and accurate typewriting skill and application of these skills to fundamental communication forms, manuscripts, and tabulation.

Business Education 212. Intermediate Typewriting. (1-3-3); I, II, III.

Prerequisite: Business Education 211 or equivalent, or consent of instructor.

Development of speed and accuracy. Business letter styles, manuscripts, and various business forms emphasized.

Business Education 213. Advanced Typewriting. (1-3-3); I, II.

Prerequisite: Business Education 212 or equivalent.

Production typewriting stressed. Emphasis on typing business letters, memorandums, manuscripts, statistical reports, and specialized business forms and reports.

Business Education 221. Business Communications. (3-0-3); I, II, III.

Recommended: Eng 102 and typewriting competency.

Current principles in business letter and report writing stressed, employing the human relations approach.

Business Education 231. Beginning Shorthand. (4-1-4); I, II.

Prerequisite: Business Education 211 or equivalent.

Fundamental principles of Gregg Shorthand, Diamond Jubilee Series. The development of skill in reading, writing, and transcribing. Designed primarily for students with no previous shorthand instruction.

Business Education 232. Intermediate Shorthand. (4-1-4); I, II.

Prerequisite: Business Education 231 or equivalent, or consent of instructor.

Mastery of principles of Gregg Shorthand, Diamond Jubilee Series, emphasizing speed and accuracy in dictation and transcription, vocabulary, punctuation, spelling, and mailability.

Business Education 290. Secretarial Accounting. (3-0-3); I, II, III.

Accounting systems and financial records for professions, small business, and institutions. Designed for one- and two-year paraprofessional students. Does not substitute for Accounting.

Business Education 331. Dictation and Transcription. (4-1-4); I, II.

Prerequisite: Business Education 212 and 232 or equivalents. Accuracy and speed emphasized. Dictation and transcription of five-minute speed tests and mailable letters of increased difficulty. Office-style dictation and transcription of business correspondence.

Business Education 332. Secretarial Procedures and Practices. (3-0-3); I, II.

Prerequisite: Business Education 331.

Materials, methods and techniques for the well-trained secretary. Includes communications, mail handling procedures, human relations, and travel services.

Business Education 337. Office Services. (3-0-3); I, II.

Prerequisite: Business Education 212.

Filing methods, records management, voice-writing machines, duplicating and copying processes, and related office skills.

Business Education 362. Consumer Education. (3-0-3); I, II, III.

Appraisal of all segments of consumer goods and services; use of credit; legislation and controls affecting all phases of living. Consumer's role in changing patterns of consumption and the economy. Guidelines for decision making concerning consumer goods and services in family money management.

Business Education 363. Office Management. (3-0-3); I, II, III.

Management of data; effects of office environment as related to production. Human relations, systems analysis, and implications of automated data processing.

Business Education 375. Teaching Typewriting and Office Practice. (2-0-2); I, II, III.

Prerequisites: Business Education 136, 212, 337 and formal admission to Teacher Education Program.

Behavioral objectives, lesson plans, and presentation of materials, micro-teaching, simulation, cooperative education, instructional materials, evaluation, and professional development.

Business Education 376. Methods of Teaching Shorthand. (1-0-1); I, II, III.

Prerequisite: Business Education 232 and formal admission to Teacher Education Program.

Behavioral objectives, lesson plans, and presentation of materials, micro-teaching, instructional materials, evaluation, and professional development.

Business Education 398. Supervised Field Experience. (0-0-1 to 6); I, II, III.

To provide work experience in an occupational area. Student works under supervision in approved position. Credit commensurate with time worked, type of work, variety of work experience.

Business Education 471. Seminar in Business Education. (1-0-1); I, II, III.

Prerequisite: Senior standing and formal admission to Teacher Education Program.

Professional business education, special problems concerning Vocational education.

Business Education 475. Teaching Accounting and Basic Business. (2-0-2); I, II, III.

Prerequisite: Accounting 281, 282 and formal admission to Teacher Education program.

Behavioral objectives, course content, unit and lesson planning, and presentation of materials, micro-teaching, instructional materials, evaluation, and professional development.

Business Education 476. Special Problems. (0-0-1 to 3); I, II, III.

Prerequisite: Senior standing and prior consent of instructor. Independent research of a problem selected by the student.

Business Education 516. Educational Data Processing. (3-0-3); II.

Basic concepts pertaining to unit-record equipment and computers. Applications in education, research, and administration. Designed primarily for students without previous data processing instruction. (Formerly 416G)

Business Education 585. Principles and Philosophy of Vocational Education. (3-0-3); I, II, III.

Prerequisite: Senior or graduate standing.

Background, development; objectives, principles, philosophy, status, and trends of vocational education; interpretation of legislation affecting vocational education; and organization and administration of vocational education at all levels. (Formerly 485G)

Business Education 590. Economic Education for Business Teachers. (2-0-2); III.

Prerequisite: Senior or graduate standing.

Fundamental economic concepts and their application and integration in business education. (Formerly 490G)

Business Education 591. Machine Shorthand Workshop. (2-0-2); III.

Prerequisite: Senior or graduate standing and competency in manual shorthand.

Theory, keyboard, methodology, and basic techniques necessary for teaching machine shorthand. (Formerly 491G)

Business Education 600. Foundations of Business Education. (3-0-3); I.

Basic and historical factors, professional aspects, issues, trends, and principles of business education. (Formerly 500)

Business Education 601. Problems in Business Education. (3-0-3); II.

Curriculum trends, federal legislation, pertinent research, and teaching aids. (Formerly 501)

Business Education 603. Business Curriculum. (3-0-3); II.

Principles, concepts, and procedures of evaluating and constructing business curriculum at all levels. Includes pertinent research. (Formerly 503)

Business Education 621. Improvement of Instruction in Typewriting. (2-0-2); III.

Learning theory, pertinent research, teaching aids, methodology, and testing and evaluating instruction in typewriting. (Formerly 521)

Business Education 622. Improvement of Instruction in Shorthand. (2-0-2); III.

Learning theory, pertinent research, methodology, teaching aids, and testing and evaluating instruction in shorthand. (Formerly 522)

Business Education 623. Improvement of Instruction in Bookkeeping and Accounting. (2-0-2); III.

Learning theory, pertinent research, methodology, teaching aids, and testing and evaluating instruction in bookkeeping and accounting. (Formerly 523)

Business Education 631. Testing and Evaluation in Business Education. (3-0-3); II.

Development, selection and interpretation of tests. Includes statistical techniques. (Formerly 531)

Business Education 640. Introduction to Research in Business Education. (3-0-3); I.

Research design and applications in business education. Significant research reviewed. (Formerly 540)

Business Education 670. Research Problems. (0-0-1 to 3); I, II, III.

Prerequisite: Business Education 640 or equivalent.

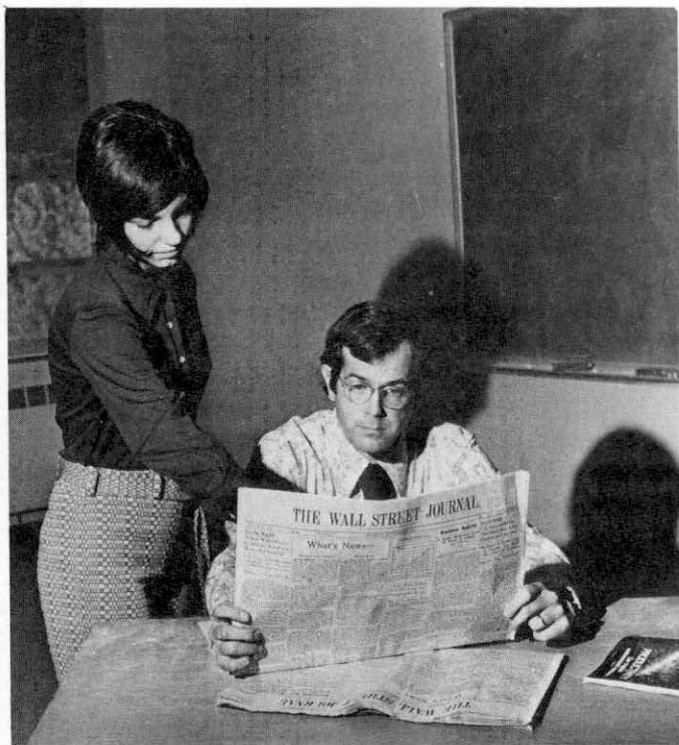
Research in business education. Designed for candidates selecting the non-thesis option of the Master in Business Education degree. (Formerly 570)

Business Education 676. Independent Research. (0-0-1 to 3); I, II, III.

Research initiated by the student. (Formerly 576)

Business Education 699. Thesis. (0-0-1 to 6); I, II, III.

Independent research and thesis writing. (Formerly 599)



Department of ECONOMICS

Thomas C. Morrison, Ph. D., Head

The Department of Economics offers a major and a minor in economics leading to the Bachelor of Science degree within the School of Business and Economics. The major or minor in economics may also be used in partial fulfillment of the requirements for the Bachelor of Arts degree with or without teacher certification. In addition, the Department offers a joint major in economics and sociology, and economics courses may be used in partial fulfillment of the general education requirements in the social sciences.

REQUIREMENTS**For a Major in Economics:**

	Sem. Hrs.
Economics 201, 202, 342, 350, 351 and 471	16
Advanced electives in economics approved by the adviser	15
	31

For a Minor in Economics:

	Sem. Hrs.
Econ 201, 202, 342, 350, and 351	15
Advanced electives in economics approved by the adviser	6
	21

For a Major in Economics and Sociology:

Econ 201, 202, and 351	9
Sociology 101, 376, 389 and 505	12
Advanced electives in economics and/or sociology approved by the adviser	15
	36

In addition to requirements listed, all students completing a major or minor in economics must take Mathematics 152 (College Algebra) and Mathematics 353 (Statistics). Those completing the joint major in Economics and Sociology may substitute Sociology 389 (Social Science Statistics) for Mathematics 353.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Economics 101. Introduction to the American Economy. (3-0-3); I, II, III.

Introduction to fundamental concepts and principles of economics with emphasis on institutions basic to the American economic system.

Economics 201. Principles of Economics I. (3-0-3); I, II, III.

Prerequisite: Sophomore standing or consent of instructor.

Theories of income, employment, monetary policy, fiscal policy, the price level and economic growth.

Economics 202. Principles of Economics II. (3-0-3); I, II, III.

Prerequisite: Economics 201.

A continuation of Economics 201 with emphasis on the theory of the firm, resource allocation and international economics.

Economics 211. Economic Geography. (3-0-3).

(See Geography 211)

Economics 301. History of Economic Thought. (3-0-3); I.

Prerequisites: Economics 201 and 202.

The origin and development of economic theories from the Mercantilist through modern times.

Economics 302. Labor Economics. (3-0-3); I, II.

Prerequisite: Economics 201 or junior standing.

Labor management relations, the labor movement, labor legislation, government control and regulation, economic inequality, standards of living and industrial conflicts.

Economics 305. Comparative Economic Systems. (3-0-3); II.

Prerequisites: Economics 201 and 202.

A study of influential theories of the major economic systems: Capitalism, Marxism, and Communism. Descriptive analyses of the operation of the corresponding economies.

Economics 342. Money and Banking. (3-0-3); I, II.

Prerequisite: Economics 201.

Origin, development, and functions of money; banking functions and processes; the Federal Reserve System and monetary policy.

Economics 343. Investments. (3-0-3); II.

Prerequisite: Economics 201.

Investment risks, security analysis, investment policy making both individual and institutional.

Economics 345. Economic Aspect of Government Regulation of Business. (3-0-3); II.

Prerequisites: Economics 201 and 202.

Forms of business combination; the problem of business concentration and monopoly; the role of the regulatory agencies; antitrust legislation and interpretation.

Economics 349. Economic History of the United States. (3-0-3); I, II.

Prerequisite: Junior standing.

Early colonial commerce; rise of big business; monopoly and antitrust laws; the labor movement; agricultural development; government and the economy; foreign policy and trade; effects of war; business cycles; basic principles of the American economy.

Economics 350. Microeconomic Theory. (3-0-3); I.

Prerequisites: Economics 201 and 202.

Microeconomics; analysis of the behavior of the household and the firm with emphasis on the role of prices in allocating resources, organizing production and distributing goods and services.

Economics 351. Macroeconomic Theory. (3-0-3); II.

Prerequisites: Economics 201 and 202.

National income accounting; macroeconomic theories of output determination, employment, inflation, and growth; monetary and fiscal policies to control aggregate economic activity.

Economics 389. Social Science Statistics. (3-0-3); I, II, III.

Prerequisite: Mathematics 152.

Basic statistical methods applicable to the social sciences. Frequency distributions, charts and graphs; measures of central tendency and dispersion; probability theory; point and interval estimation; index numbers; time series analysis; hypothesis testing; analysis of variance; regression and correlation; sampling.

Economics 471. Seminar in Economics. (1-0-1); I, II, III.

Prerequisites: Open to seniors who have completed at least 12 semester hours of economics.

This course is designed to acquaint students with current literature in the field of economics, and to provide opportunity for independent study and appraisal of economic problems, policies and methods of investigation in economics.

Economics 476. Special Problems. (One to three hours); I, II, III.

Prerequisites: Open to majors or minors in economics with prior consent of the instructor.

This course is designed to permit students to pursue independent studies of economic problems of special interest. Students must present a suggested problem and justification for the study in writing prior to registration. Each request will be considered on its own merit in relation to the special needs of the student.

Economics 500. Introduction to Mathematical Economics. (3-0-3); II.

Prerequisites: Mathematics 152 and 353.

Application of mathematical and statistical techniques to the theory of the firm, market and national income models. (Formerly 400G)

Economics 540. World Manufacturing. (3-0-3); on demand.
(See Geography 540) (Formerly 440G)

Economics 541. Public Finance. (3-0-3); I.

Prerequisites: Economics 201 and 202.

Public expenditures; public revenue; taxation; public credit; financial administration of government. (Formerly 441G)

Economics 547. Introduction to International Economics. (3-0-3); II.

Prerequisites: Economics 201 and 202.

International trade theory, international monetary relationships, and the balance of payments. Emphasis is placed on contemporary problems and possible solutions. (Formerly 447G)

Economics 555. Economic Development and Growth. (3-0-3); I.

Prerequisites: Economics 201 and 202.

Classical and modern theories of growth and development and their application in both advanced and underdeveloped nations. (Formerly 455G)

Economics 561. Managerial Economics. (3-0-3); I.

Prerequisites: Economics 201 and 202.

Application of economic theory to management decisions; demand analysis; cost determination; pricing; capital budgeting. (Formerly 461G)

Economics 570. Research Problems in Economics. (One to three hours); I, II, III.

Prerequisites: Graduate standing plus a minor in economics or equivalent.

Provides an opportunity and challenge for self-directed, independent study on economic problems. The student must present a written statement of the proposed study approved by the instructor prior to registration.

FACULTY, SCHOOL OF BUSINESS AND ECONOMICS

Richard P. Baxter, Ph.D., Dean

Department of Accounting
Robert C. Hill, D.B.A., Head

CONYERS, ALEX D.
Associate Professor
B.S., M.B.A., University of Kentucky.
At Morehead since 1958.

GRAHAM, JOHN
Assistant Professor
A.B., M.H.E., Morehead State University.
At Morehead since 1967.

HILL, ROBERT C.
Professor
B.B.A., M.B.A., Hofstra College;
D.B.A., Harvard University.
At Morehead since 1970.

HUNTSBERGER, STEPHEN C.
Assistant Professor
B.B.A., M.B.A., Eastern Kentucky University;
C.P.A., Kentucky.
At Morehead since 1972.

SHARP, WILLIAM W.
Instructor
B.B.A., M.B.E., Morehead State University.
At Morehead since 1970.

Department of Business Administration
Eugene Martin, Ed.D., Head

BROCKMAN, CHERYL C.
Instructor
B.S., Kansas State Teachers College.
At Morehead since 1970.

FLYNN, EDWARD J.
Assistant Professor
B.S., M.B.A., Indiana University.
At Morehead since 1972.

GILL, CHARLES R.
Associate Professor
B.S., West Virginia Wesleyan College;
Ph.D., Virginia Polytechnic Institute.
At Morehead since 1970.

KIRKLAND, BILLY ROYCE
Assistant Professor
B.B.A., M.B.A., East Texas University.
At Morehead since 1972.

MARTIN, EUGENE
Professor
A.B., M.A., Morehead State University;
Ed.D., University of Cincinnati.
At Morehead since 1972.

MOORE, WILLIAM JAY
Assistant Professor
A.B., M.A., Morehead State University.
At Morehead since 1966.

RAMSEY, HENRY S.

Instructor

B.S., M.B.E., Morehead State University.

At Morehead since 1970.

WATTS, VINSON A.

Instructor

B.S., Berea College;

M.A., Eastern Kentucky University.

At Morehead since 1968.

Department of Business Education

George F. Montgomery, Ed.D., Head

BURFORD, ANNA MAE

Assistant Professor

B.S., A.M., Western Kentucky University.

At Morehead since 1967.

HENSON, JACK

Instructor

B.S.E., M.S.E., Arkansas State University.

At Morehead since 1970.

HINSON, ERNEST E.

Assistant Professor

B.S., Austin Peay State College;

A.M., George Peabody College.

At Morehead since 1967.

LUCKEY, SUE Y.

Associate Professor

B.S., East Tennessee State University;

A.M., Appalachian State University.

At Morehead since 1963.

MONTGOMERY, GEORGE F.

Professor

B.S.Ed., Valley City State College;

M.B.E., University of Colorado;

Ed.D., University of North Dakota.

At Morehead since 1969.

MORELLA, CAROLE

Instructor

B.S., M.A., Morehead State University.

At Morehead since 1966.

NORTHCUTT, HELEN K.

Assistant Professor

B.S., A.M., Morehead State University.

At Morehead since 1966.

OUSLEY, GAIL C.

Instructor

B.S., M.B.E., Morehead State University.

At Morehead since 1969.

QUINN, MILDRED H.

Assistant Professor

B.S., M.A., Eastern Kentucky University.

At Morehead since 1968.

Department of Economics

Thomas C. Morrison, Ph.D., Head

CAMP, ROBERT C.

Assistant Professor

B.S., Harding College;

M.B.A., Texas Tech.

At Morehead since 1969.

FREIBERG, LEWIS JR.

Assistant Professor

B.B.A., M.A., Memphis State University;

Ph.D., University of Kentucky.

At Morehead since 1972.

GRINNELL, GERALD E.

Assistant Professor

B.S., University of Kentucky.

At Morehead since 1971.

MAGDA, LOUIS S.

Professor

B.S., B.B.Ed., M.B.A., Ph.D., Jozsef Nador University
(Hungary).

At Morehead since 1966.

MORRISON, THOMAS C.

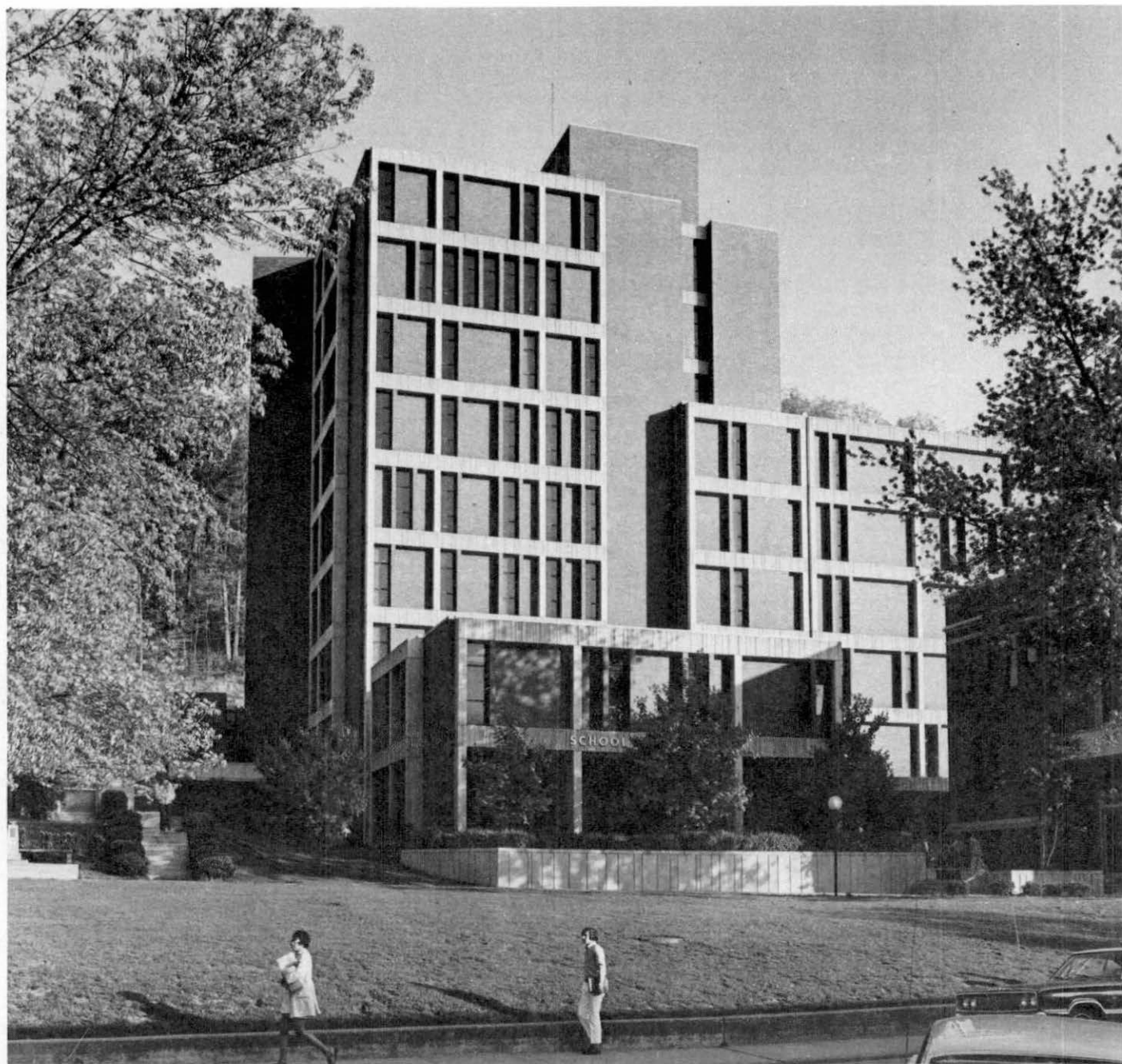
Professor

B.S., Western Kentucky State University;

M.S., University of Kentucky;

Ph.D., North Carolina State University at Raleigh.

At Morehead since 1969.



SCHOOL OF
Education

James H. Powell, Ed.D., Dean

ADMINISTRATION, SUPERVISION AND HIGHER EDUCATION
ADULT AND CONTINUING EDUCATION
COUNSELING AND EDUCATIONAL FOUNDATIONS
ELEMENTARY AND EARLY CHILDHOOD EDUCATION
HEALTH, PHYSICAL EDUCATION, AND RECREATION
LIBRARY SCIENCE AND INSTRUCTIONAL MEDIA
PROFESSIONAL LABORATORY EXPERIENCES
PSYCHOLOGY AND SPECIAL EDUCATION
SECONDARY EDUCATION
UNIVERSITY BRECKINRIDGE SCHOOL

Teacher education is historically a major function of Morehead State University. From the establishment of the Morehead State Normal School in 1922, the University has constantly refined and expanded undergraduate and graduate curricula designed to prepare competent teachers, administrators, and service personnel for the schools of the Commonwealth and the nation. The teacher preparation programs utilize extensively the resources of the entire University and are strengthened by the full cooperation of other Schools of the institution. Certification and degree programs in teacher education are accredited by the National Council for Accreditation of Teacher Education, the Southern Association of Colleges and Schools, and the Kentucky State Department of Education.

The School of Education is the administrative unit of the University which provides and administers the professional education courses directly related to the preparation and certification of teachers and other educational workers. Also, the School offers undergraduate and/or graduate curricula in Health, Physical Education and Recreation, Psychology, Special Education, Library Science, Higher Education, and Adult and Continuing Education. The organization of these courses includes:

1. A two-year preparation program for auxiliary and para-professional personnel leading to an Associate of Applied Arts degree.
2. A pre-service preparation program for teachers leading to initial certification and the baccalaureate degree.
3. A graduate program of education leading to
 - (a) the Master of Arts in Education degree with certification.
 - (b) certification based on an approved fifth year program of study.
 - (c) certification based on a planned program of thirty semester hours beyond the master's degree.

4. A graduate curriculum leading to the Master of Higher Education degree.
5. A graduate curriculum in psychology leading to the Master of Arts degree.
6. A graduate curriculum leading to the Master of Arts in Adult and Continuing Education.
7. A graduate curriculum leading to the Master of Arts in Health, Physical Education and Recreation.
8. A graduate curriculum leading to the Specialist in Education degree.

The modern and functional facilities of the Lyman V. Ginger Hall, the Johnson Camden Library, and the Laughlin Building provide classrooms, laboratories, seminar rooms, faculty and administrative offices for the nine departments of the school. The University Breckinridge School, a K-12 laboratory school, is housed in an attractive facility on campus in close proximity to the School of Education and is utilized extensively by all Schools of the University for pre-student teaching laboratory experiences in the teacher preparation program.

GENERAL INFORMATION

Admission to the School

Graduates of accredited high schools who are admitted to the University are eligible for enrollment in the School of Education. Undergraduate students declaring majors or areas of concentration in elementary education, psychology, health, physical education and recreation are automatically assigned to the School of Education in the registration process. It is important to note, however, that enrollment in the School does not necessarily mean admission to the Teacher Education Program or to Student Teaching. Graduate students following graduate curricula offered by the School of Education are registered in the School.

Student Load

Students employed full time in teaching may not enroll for more than five hours in a semester or earn more than eight hours in two consecutive semesters of an academic year. Approval for enrollment in excess of this amount must be secured from the Dean of Graduate Programs or the Dean of Undergraduate Programs prior to registration.

Admission To and Retention in the Teacher Education Program.

All students who desire to prepare for teaching must apply and be accepted for admission to the Teacher Education Program. Applications are normally filed while the student is a sophomore and enrolled in Education 210, *Human Growth and Development I*.

The following criteria must be met by all students for admission to teacher education:

1. The attainment of sophomore standing.
2. A cumulative grade point average of 2.0 or higher on work completed at Morehead State University.
3. The recommendation of the student's major department.
4. A demonstrated proficiency in written and oral communication.
5. A satisfactory rating in health, speech, hearing and sight.
6. The satisfactory evaluation from faculty advisers regarding personal—social—ethical fitness for teaching.

Transfer students who have completed Ed. 210 (Human Growth and Development I) or its equivalent at another institution must apply immediately for admission to the program and meet the applicable criteria outlined above. For transfer students, the Dean of the School may permit admission to restricted courses listed below pending the processing of the student's application for admission to the program.

Retention in the Teacher Education Program is dependent upon the maintenance of the levels of performance required for admission. Any student denied admission to, or suspended from, the Teacher Education Program may re-apply for admission once each semester through the Department of Professional Laboratory Experiences.

Courses for Which Admission to the Teacher Education Program is a Prerequisite

BE	375	Teaching Typewriting and Office Practice
BE	376	Methods of Teaching Shorthand
BE	471	Seminar in Business Education
BE	475	Teaching Accounting and Basic Business
Ed	300	Introduction to Student Teaching
Ed	321	Teaching of Arithmetic
Ed	322	Teaching Social Studies in the Elementary School
Ed	325	Supervised Student Teaching (Elementary)
Ed	333	Fundamentals of Elementary Education
Ed	336	Reading in the Primary Grades
Ed	337	Reading in the Intermediate Grades
Ed	375	Supervised Student Teaching (Secondary)
Ed	410	Human Growth and Development II
Ed	425	Supervised Student Teaching (Elementary)
Ed	425S	Substitute Student Teaching for Experienced Teachers (Elementary)
Ed	427	Professional Semester (Elementary)
Ed	435	Supervised Student Teaching—Special Education (EMR)
Ed	436	Supervised Student Teaching—Special Education (TMR)
Ed	472	Fundamentals of Secondary Education
Ed	475	Supervised Student Teaching (Secondary)
Ed	475S	Substitute Student Teaching for Experienced Teachers (Secondary)
Ed	477	Professional Semester (Secondary)
Ed	529	Practicum in Early Childhood Education

Ed	576	Science for Secondary Teachers
Eng	500	The Teaching of English
HIth	300	Health in the Elementary School
HIth	304	Health in the Secondary School
HEc	470	Methods of Teaching Vocational Home Economics
IE	300	General Shop Organization
IE	471a	Seminar for Industrial Arts
IE	475	Teaching Industrial Arts
LS	575	School Library Practice
PE	300	Physical Education in the Elementary School
PE	303	Physical Education in the Secondary School
Sci	590	Science for the Elementary Teacher

Admission to the Professional Semester

The application for student teaching must be filed early in the semester immediately preceding the semester in which the student expects to enroll in the professional semester. The application forms for student teaching are obtained from the Department of Professional Laboratory Experiences, Room 201, Lyman V. Ginger Hall. To be eligible for the professional semester, the student must have completed the following requirements:

1. Admission to and good standing in the Teacher Education Program.
2. Senior standing and a minimum grade point average of 2.0 on courses completed at Morehead State University.
3. Completion of a minimum of one semester of residence at Morehead State University.
4. Completion of the prerequisite courses in the sequence of professional education.
For elementary areas: Education 100, 210, 321, and 336 or 337.
For secondary majors: Education 100, 210, and 300.
5. Completion of a minimum of seventy-five percent of the course work in the area or major selected for student teaching.
6. Attainment of a grade point average of 2.5 or higher in the area or major selected for student teaching.

Admission to Professional Laboratory Experiences in Lieu of Student Teaching

For experienced teachers, the regulations of the state Department of Education permit the University to substitute for part or all of student teaching other desirable laboratory experiences after the prerequisites to student teaching have been met. Such laboratory experiences are offered only during the summer term for eligible applicants. The application forms for the professional laboratory experiences in lieu of student teaching may be obtained from the Department of Professional Laboratory Experiences, Room 201, Lyman V. Ginger Hall. To be eligible for this program, the applicant must have completed the following requirements:

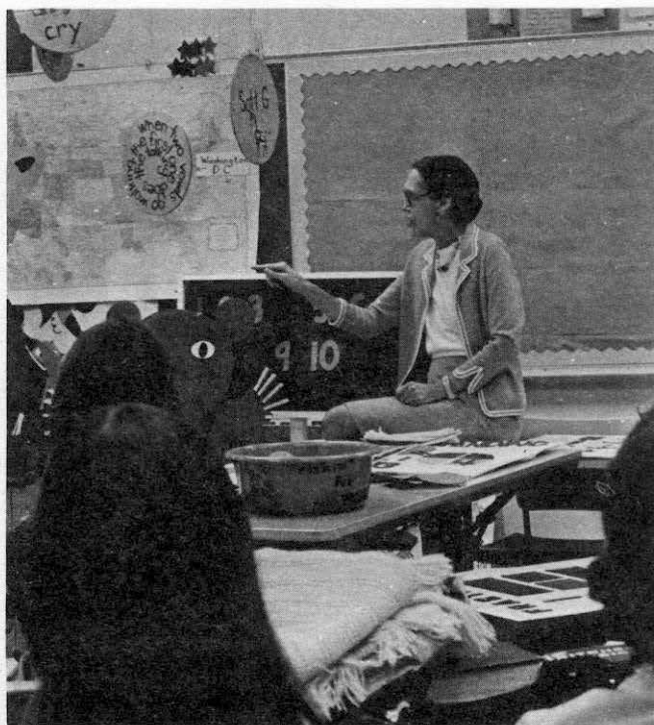
1. Admission to and good standing in the Teacher Education Program.
2. Completion of a minimum of 108 semester hours and a minimum grade point average of 2.0 on courses completed at Morehead State University.
3. Completion of a minimum of one semester of residence at Morehead State University.
4. Completion of the prerequisite courses in the sequence of professional education.
5. Completion of a minimum of seventy-five percent of the required course work in the area or major teaching field.
6. Attainment of a grade point average of 2.5 or higher in the area or major teaching field.
7. Presentation of evidence showing one or more years of successful teaching experience in the public schools or in a private school on a legal certificate.

Upon receipt of the written recommendation by the candidate's superintendent, principal and supervisor, the University may waive four semester hours of the eight semester hours required in student teaching or of the professional laboratory experiences for teachers who have completed a minimum of four years of successful teaching experience. The waiver of hours in this section applies only to the student teaching requirement. It does not reduce the total number of hours required for graduation.

Recommendation for Certification

The regulations of the Kentucky Department of Education stipulate that the applicant for a teacher's certificate must be recommended by the institution offering the teacher preparation program. The Registrar is the official designated to recommend for certification the graduates of Morehead State University.

The application for the appropriate certificate should be completed early in the semester prior to graduation. Application forms may be obtained in the Registrar's Office, Administration Building.



Graduate Study in Education

Curricula leading to the graduate degrees listed below are offered by the School of Education.

Master of Arts

1. With major in general-experimental psychology.
2. With major in school-clinical psychology.

Master of Arts in Education

(for secondary teachers)

1. Professional education with areas of concentration in appropriate teaching fields,
or
2. Specialized programs in
 - a. reading
 - b. special education
 - c. guidance counseling
 - d. library science
 - e. school business administrator*

(for elementary teachers)

1. Professional education with courses outside education planned to meet student's objectives, or
2. Specialized programs in
 - a. reading
 - b. special education
 - c. guidance counseling
 - d. library science
 - e. school business administrator*

*Teacher's certificate not required

Master of Arts in Adult and Continuing Education

Professional courses in adult education with a planned specialization.

Master of Arts in Health, Physical Education and Recreation

A core of general courses plus selected courses to meet the needs of the particular student.

Master of Higher Education

Professional courses in Higher Education with specialization in:

- a. teaching
- b. counseling
- c. general administration
- d. student personnel administration

In addition to the programs leading to graduate degrees, a planned fifth year program is provided for teachers seeking Rank II certification and renewal of the provisional teaching certificate. Also, post-master's programs leading to certificates for elementary principals, secondary principals, school supervisors, directors of pupil personnel, school superintendents, and guidance counselors are offered.

The Specialist in Education (Ed.S.) Degree in *Administration and Supervision* is currently available. Additional programs in *Higher Education* and *Curriculum and Instruction* are in the process of development.

Morehead State University and the University of Kentucky, School of Education, have an agreement whereby students desiring to pursue a doctor's degree (Ph.D. or Ed.D.) at the University of Kentucky may, upon being admitted jointly by these institutions, complete up to one year of their course work at Morehead State University.

Students interested in pursuing graduate study in professional education should consult the Graduate Bulletin of Morehead State University or write to the Dean of Graduate Programs for additional information.

Department of ADMINISTRATION, SUPERVISION AND HIGHER EDUCATION

Charles F. Martin, Ed. D., Head

The Department of Administration, Supervision, and Higher Education is responsible for the instruction, advisement, coordination, and research components associated with graduate study in the areas of administration and higher education. Departmental personnel offer coordinated programs designed to prepare school leaders, improve instruction and augment proficiencies of individual students. Teaching, inservice and research activities provide advisory, extension and consultant services, encourage a conceptual orientation toward administration, increase faculty competencies, and enhance the field of educational administration.

Graduate curricula in administration and supervision provide professional programs of preparation leading to certification and/or Rank I status for elementary principals, secondary principals, supervisors, superintendents, directors of pupil personnel, and school business administrators. The Specialist in Education (Ed.S.) Degree in Administration and Supervision is also offered. Curricular programs in higher education provide opportunities for specialization in teaching, counseling, general administration, and student personnel administration. Programs are described in detail in the Graduate Bulletin of Morehead State University.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 516. Educational Data Processing. (3-0-3); II.
(See Business Education 516)

Education 628. School Law. (2-0-2); I, III.

Responsibilities and liabilities of school boards and officials; Kentucky Code, legal provisions affecting school funds, school personnel, attendance, discipline, textbooks and curriculum. (Formerly 528)

Education 635. Curriculum Construction in the Two-Year College. (2-0-2); II, III.

Theoretical and practical basis for curriculum construction and evaluation of curriculum aims and practices of comprehensive two-year colleges; relationship to secondary schools and four-year colleges. (Formerly 535)

Education 640. The Two-Year College in Higher Education. (2-0-2); I, III.

Unique role, philosophy and functions of two-year colleges in American education; patterns of organization and administration for academic, business, student personnel, public relations and development activities. (Formerly 540)

Education 641. Academic Problems in Higher Education. (2-0-2); II, III.

Selection, assignment, guidance, evaluation, payment, promotion, and retirement of academic personnel, organization and development of curricular policies and instructional resources. (Formerly 541)

Education 642. Student Personnel in Higher Education. (2-0-2); I, II.

Principles of organization and administration of personnel programs and services in higher education. (Formerly 542)

Education 643. Seminar in Higher Education. (2-0-2); II, III.
Group study on issues of the two-year college in higher education. (Formerly 543)

Education 644. Independent Study in Higher Education. (One to three hours); I, II, III.

Individual study and research on issues of the two-year college. (Formerly 544)

Education 645. Principles of Education Administration. (3-0-3); II, III.

Historical development of professional school administration; basic principles and changing concepts; organization and control of the American school system; functions of the administrators. (Formerly 545)

Education 660. Supervision. (3-0-3); I, III.

Prerequisite: Admission to an administration program.

Nature and scope of supervision, principles governing supervisory process; planning supervisory programs; facilitating teacher growth; improving curricula; using instructional materials; evaluation; and remedial programs. (Formerly 560)

Education 672. Seminar—Problems of the Principal. (1-0-1); I, II, III.

Independent research problems, review of current educational research and theses. Oral reports, group discussion. Significant problems in education related to the principalship. (Formerly 572)

Education 673. Seminar—Problems of the Supervisor. (1-0-1); I, II, III.

Similar to Education 671, except problems of the supervisor are considered. (Formerly 573)

Education 678. Internship. (One to six hours); on demand.
Prerequisite: Permission of Instructor.

Supervised administrative, laboratory and teaching experiences in learning situations appropriate to the areas of specialization. (Formerly 578)

Education 684. School Finance. (2-0-2); II.

Sources of school support; state, local, federal; apportionment of state funds; the local district and finance; and administration control of school funds—budgeting and accounting. (Formerly 584)

Education 685. Research Problems of the School Leader. (One to three hours); I, II.

Prerequisite: Education 600 or equivalent experience.

Intensive and comprehensive investigation of problems in educational administration, involving collection and analysis of original data. (Formerly 585)

Education 686. The School Plant. (2-0-2); III.

Problems of school plants and auxiliary facilities; evaluation of existing facilities, planning and financing building programs and selecting equipment. (Formerly 586)

Education 691. The School and the Public. (2-0-2); II.

School-community relations; changing concept of, influence of social and economic factors and role of public relations in school-community relations. (Formerly 591)

Education 692. Administration of School Personnel. (3-0-3); I, III.

Dimension and direction of school personnel work; faculty, staff, special service, pupil, custodial, and transportation. (Formerly 592)

Education 695. The Elementary School Principal. (2-0-2); I, III.

Prerequisite: Admission to an administrative program.

Organization and administration of elementary schools; supervision of pupil, professional and non-professional activities; community relations; scheduling, and special services. (Formerly 595)

Education 696. The Secondary School Principal. (2-0-2); II, III.

Prerequisite: Admission to an administrative program.

Organization and administration of secondary schools; supervision of personnel; co-curricular activities; guidance programs; in-service development; schedule making, and public relations. (Formerly 596)

Education 698. Pupil Personnel Accounting and Records Management. (3-0-3); III.

Prerequisite: Admission to program for Director of Pupil Personnel.

Analysis of various methods of pupil personnel accounting and records management systems including computer applications. Responsibilities of school and non-school personnel and agencies. Influences of socio-economic factors on school attendance. (Formerly 598)

Education 699. Thesis. (Two to six hours). I, II, III.
(Formerly 599)

Department of ADULT AND CONTINUING EDUCATION

Harold Rose, Ph. D., Head

The Department of Adult and Continuing Education graduate program is designed to develop the capacity of individuals to plan, organize, and carry through a variety of educational and service programs to meet the broad spectrum of adult needs in today's dynamic society. The graduate program is flexible in that a course of study is designed with each student which will develop the special competencies and understanding needed in accordance with the professional role that the student plans to assume in working with adults. Students who complete the program are awarded the Master of Arts in Adult and Continuing Education.

Master Of Arts in Adult and Continuing Education**Requirements for Admission to the Program**

1. General admission to graduate study.
2. Two years of relevant professional experience is advisable.

Requirements for Admission to Candidacy

1. A written recommendation by the student's advisor and concurrence of the department head.
2. Completion of 10 to 15 hours of graduate work including Ed 600, an approved course in Adult and Continuing Education, and one course from the student's area of specialization.
3. The student must have earned a grade point average of 3.0 or better on 8 to 15 hours of graduate work and must have performed satisfactorily on the Graduate Record Examination.

Requirements for the Degree

The student must complete 30 hours of approved course work with a minimum of 12 hours in the area of Adult and Continuing Education. The student will be required to take Education 600. The remaining 16 hours of course work will be selected by the student and his graduate committee to meet the special interests and needs of the student.

		Sem. Hrs.
1.	Adult and Continuing Education	12
Ed	554 Principles of Adult and Continuing Education	3
Ed	650 Basic Education for the Disadvantaged Adult	3
Ed	651 Human Development in Adulthood	3
Ed	652 The Community School	3
Ed	653 Planning and Evaluating the Adult Program	3
Ed	654 Special Problems in Adult Education	1-3
Ed	678 Internship	1-6
Ed	688 Seminar in Adult Education	1

2.	Research	2
Ed	600 Research Methods in Education	2
3.	Area of Specialization	9
4.	Electives (to be selected by student and graduate committee)	7
5.	Thesis (The student will be strongly encouraged to pursue a thesis in lieu of an equal number of elective hours.)	3-6
	Minimum for the degree	30

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 554. Principles of Adult and Continuing Education. (3-0-3); I,II.

Overview of adult education; historical development; psychological and sociological basis of adult learning; trends and major issues in adult education; and the principles of teaching adults. (Formerly 454G)

Education 650. Basic Education for the Disadvantaged Adults. (3-0-3); I,II.

The sociological, psychological and economical problems of the disadvantaged; investigation of traditional and innovative approaches utilized in working with the disadvantaged adult. (Formerly 550)

Education 651. Human Development in Adulthood. (3-0-3); II.

Prerequisite: 554.

The psychological and physiological changes in adulthood; designed to provide opportunities to apply knowledge of human development to the problems of working with adults. (Formerly 551)

Education 652. The Community School. (3-0-3); III.

Prerequisite: 554.

The philosophy and operation of a school to serve the needs of all people in the community. The communitywide use of school facilities and total community involvement in the educative process. (Formerly 552)

Education 653. Planning and Evaluating the Adult Program. (3-0-3); II.

Prerequisite: 554.

A study of program development with special emphasis on designing and improving programs through the evaluation process. (Formerly 553)

Education 654. Special Problems in Adult Education. (One to three hours); I, II, III.

Directed individual study of problem areas in teaching and administering adult programs. (Formerly 554)

Education 678. Internship. (One to six hours); on demand.

Supervised experience in activities appropriate to area of specialization.

Education 688. Seminar in Adult Education. (1-0-1); on demand.

A series of presentations by graduate students, visiting lecturers, and members of the graduate faculty on problems and issues confronting adult educators. (Formerly 588)

Education 699. Thesis. (Two to six hours); I, II, III.

Department of COUNSELING AND EDUCATIONAL FOUNDATIONS

C. W. Riddle, Ed. D., Head

The Department of Counseling and Educational Foundations is responsible for the instruction, advisement, research, and service components related to foundation courses in education and in the preparation of counselors for schools, junior colleges and community organizations.

Counselors are prepared at the graduate level for service in elementary, secondary, and vocational schools, in community and junior colleges, and in community programs and organizations involving youth and adults. Further information as to requirements and course offerings in Counselor Education may be found in the Graduate Bulletin of the University.

The courses offered in Educational Foundations are for the purpose of surveying the historical development of those bodies of knowledge which are basic to the educator. The instructional methods used seek to help the student apply his knowledge toward understanding the modern movements in educational thought and action. He is also helped to understand more about his growth and development, reasons for his actions and reactions, and to consider the field of education as a career.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 100. Orientation in Education. (1-0-1); I, II, III.

(Required of all students who expect to qualify for any teaching certificate.)

An overview of the basic philosophical, sociological, psychological, and educational considerations and understandings associated with the development and organization of the American school system. Presentation of career opportunities in education.

Education 101. Workshop. (One to three hours); I, II, III.

A workshop for specifically designated persons for task orientation in education.

Education 205. (Also Health 205) Mental Health (3-0-3); I, II, III.

Prerequisite: General Psychology

Social and emotional adjustment with emphasis on the influence of educational practice on personality development. The teacher's role in identifying pupil adjustment mechanisms and methods for handling behavior disorders.

Education 210. Human Growth and Development I. (3-0-3); I, II, III.

Prerequisite: General Psychology.

Study of the principles of physical, intellectual, emotional, and social growth and development from conception to adulthood. Consideration of the influence on the individual of his family, peer group, school, and society. Social problems and programs related to current trends in social behavior.

Education 360. History of Education. (3-0-3); II.

Education in ancient, medieval, and modern periods; early American backgrounds; early campaigns for the improvement of instruction and teacher training; the development of present practices; great educators of each period and their contribution.

Education 364. Career and Vocational Guidance. (3-0-3); II.

Study of meaning, appreciation and value of work; place and use of testing in vocational choice; methodology for teachers to implement career and vocational development in the classroom.

Education 580. Measurement Principles and Techniques. (3-0-3); I, II, III.

Identification of educational objectives associated with test construction; table of specifications; elementary statistics; testing and nontesting procedures. Investigations of major types of tests; administration, scoring and interpretation of test results. (Formerly 381G)

Education 581. Introduction to Educational Statistics. (3-0-3); I, III.

A study of the applications of statistical and graphical methods to educational and psychological data. Includes areas of descriptive and inferential statistics that apply to educational research. (Formerly 481G)

Education 600. Research Methods in Education. (2-0-2); I, II, III.

Selection, delimitation, and statement of a research problem, techniques of bibliography building, methods of organization, recognized methods of investigation, application of statistical methods to research problems and style-standards for research writing. Strongly recommended for all beginning graduate students. (Formerly 500)

Education 656. Principles of Guidance. (2-0-2); I, II, III.

History, philosophical principles, and development of the guidance movement; the place of the specialist; guidance and the teacher; present status of guidance meeting the needs of the individual school; objectives, types and scope of guidance. (Formerly 556)

Education 662. Individual Inventory Techniques. (3-0-3); II.

Prerequisite: Permission of Instructor.

Special training in the choice and utilization of achievement and psychological tests and inventories not requiring clinical training; sociometrics, and observational and interview techniques. (Formerly 562)

Education 664. A,B,C. Information Services and Vocational Development. (3-0-3); II, III.

Sources, descriptions, and evaluation of informational materials appropriate for different age levels together with methods of dissemination; theories of how mental, environmental, emotional, and attitudinal factors influence career choice and vocational development. (Formerly 564)

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

Education 665. Organization and Administration of Guidance Services. (2-0-2); II, III.

Prerequisite: Admission to the program for guidance counselors.

Organizational goals, procedures and patterns; lines and limits of authority; relationships of the counselor with school personnel and with community members and organizations; referral procedures; and legal implications for the counselor. (Formerly 565)

Education 666. A,B,C. Techniques of Counseling. (3-0-3); I, III.

Prerequisites: Ed. 656 or Ed. 667 A,B,C and permission of instructor.

Basic philosophies, principles and procedures in counseling; participation in lab experiences; study of pertinent research. (Formerly 566)

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

Education 667. A,B,C. Group Procedures. (3-0-3); I, II.

Study of theories and principles of individual reaction under stress in group situations and application in group counseling and guidance programs. Groups include the school, the family and the community. (Formerly 567)

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

Education 669. A,B,C. Practicum in Guidance and Counseling. (One to three hours); I, II, III.

Prerequisites: Ed. 666 and permission of instructor.

Supervised experience in guidance and counseling in groups and on an individual basis (Formerly 569)

Section A—For elementary school counselors

Section B—For secondary school counselors

Section C—For community agency counselors

(Application made through Department of Professional Laboratory Experiences.)

Education 674. Seminar in Guidance and Counseling. (2-0-2); I, III.

Prerequisite: Permission of instructor.

Group study and discussion of individual research or study of problems having special significance to the field of guidance and counseling. (Formerly 574)

Education 676. Research Problems in Guidance and Counseling. (One to three hours); I, II, III.

Prerequisite: Ed. 600.

Application of research methods to the study of an approved problem or problems having application to the field of counselor training of the students. (Formerly 576)

Education 678. Internship. (One to six hours).

Prerequisite: Permission of instructor.

Supervised experience in situations appropriate to the areas of specialization. (Formerly 578)

Education 679. Advanced Practicum or Internship in Guidance and Counseling. (Two to six hours); I, II, III.

Prerequisite: One Year's experience as a qualified counselor; permission of instructor.

Supervised practice for counselors desiring a different experience of counseling than that secured in previous training or present work. (Formerly 579)

Education 680. History and Philosophy of Education. (3-0-3); I, II, III.

Beginnings of the American system of education; survey of theories of education, factors and forces changing American education philosophies of learning applied to contemporary educational problems. (Formerly 580)

Education 699. Thesis. (Two to six hours); I, II, III.
(Formerly 599)

Department of ELEMENTARY AND EARLY CHILDHOOD EDUCATION

Mary Northcutt, Ed. D., Head

The functions of the Department of Elementary and Early Childhood Education are: (1) to provide professional preparation for teachers, administrators, and other personnel at the undergraduate and graduate levels; (2) to provide personnel and instruction for special programs such as teacher aides, Head Start and the University Reading Laboratory; (3) to cooperate with public school personnel in providing consultants, assisting in workshop programs, providing laboratory experiences at the University Breckinridge School, and working with local, state and national educational agencies for the improvement of education.

The Department maintains a close working relationship with the public schools within the region through the student teaching program by visitations to each student during the semester.

For those students interested in graduate study in elementary education, a curriculum leading to the degree of Master of Arts in Education and post-master's programs are offered.

Associate of Applied Arts for Teacher Aides

The two-year curriculum outlined below leads to the Associate of Applied Arts degree for teacher aides. Credit earned in this program may be applied toward a baccalaureate degree and provisional certification for teaching in the elementary schools. Students enrolled in this program must complete approved courses from the following fields for a minimum of 64 semester hours:

Humanities
Sciences and Mathematics
Social Studies
Education

Courses are approved by the student's adviser on the basis of the specific job to be assumed by the aide.

Requirements for Certification in Elementary Education

(Includes both area and general education requirements)

		Sem. Hrs.
EDUCATION		30
Ed	100	Orientation in Education 1
Ed	210	Human Growth and Development I 3
Ed	321	Teaching of Arithmetic 2
Ed	322	Teaching Social Studies in Elementary School 3
Ed	336	Reading in the Primary Grades 3
Ed	337	Reading in the Intermediate Grades 3
Ed	427	Professional Semester 15
	or	
Ed	410	Human Growth and Development II 3
Ed	333	Fundamentals of Elementary Education 4
Ed	325,425	Student Teaching 8

COMMUNICATIONS & HUMANITIES	18
Eng	Composition 6
Eng	Literature Electives 6
Spch	Speech Elective 3
	Communications or Humanities Elective 3

SCIENCE	12
Sci	Physical Science Elective 3
Sci	Biological Science Elective 3
Sci	590 Science for the Elementary Teacher 3
	Science or Math Elective 3

SOCIAL SCIENCE	18
Geog	Geography Elective 3
Hist	American History Elective 3
PS	Political Science Elective 3
Soc	Sociology Elective 3
	Social Science Electives 6

PHILOSOPHY	3
Phil	Philosophy Elective 3

MATHEMATICS	6
Math	231,232 Basic Math I & II 6

LIBRARY SCIENCE	3
LS	227 Literature & Materials for Children 3

PSYCHOLOGY	3
Psy	154 Life Oriented Psychology 3

ART	4
Art	121 School Art I 2
Art	221 School Art II 2

MUSIC	4
Mus	100 Rudiments of Music 3
Mus	221 Music for the Elementary Teacher 2

HEALTH & PHYSICAL EDUCATION	6
Hlth 300 Health in the Elementary School	2
PE 300 PE in the Elementary School	2
PE Activity Courses	2
ADDITIONAL COURSES	21
Approved Electives	21

NOTE: Students in elementary education who may want to complete a teaching minor are advised to consult with the Head of the Department of Elementary and Early Childhood Education.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 110. Developmental Reading. (1-2-2); I, II.

Provides a diagnostic independent guided improvement of reading skills. Vocabulary and improved comprehension skills are stressed.

Education 212. Preparation and Utilization of Instructional Materials. (1-3-3); Extension.

(For Auxiliary Personnel in Education.)

This course is designed to develop skills in preparing instructional materials. The operation and care of audiovisual equipment is stressed.

Education 250. Practicum I for Auxiliary Personnel in Education. (Two to Three hours); III and Extension.

Teacher aides gain actual working experiences either in a regular classroom or in a simulated classroom laboratory. Emphasis is placed on the role of the teacher aide as a member of the instructional team which includes the teacher and principal.

Education 251. Practicum II for Auxiliary Personnel in Education. (Two to three hours); Extension.

A continuation of Education 250, Practicum I. Emphasis is placed on developing the teacher aide as a self-directed member of the instructional team.

Education 280. Problems in Rural Education. (3-0-3); Extension.

This course is designed to meet the needs of students who are working in rural communities. Problems and activities are selected according to the conditions prevailing in the local school system.

Education 320. Introduction to Corrective Speech. (3-0-3); I, II.

(See Speech 320.)

Education 321. Teaching of Arithmetic. (2-2-2); I, II, III.

Prerequisites: Mathematics 231 and 232. Junior standing, and admission to the Teacher Education Program. Must be taken concurrently with either Education 336 or Education 337.

Effective presentation of essential number concepts to the learner; emphasis on functional arithmetic and its application. Laboratory experiences are an integral part of this course.

Education 322. Teaching Social Studies in the Elementary School. (3-0-3); I, II, III.

Presents the scope and sequence of the skills and concepts of the social studies program in the elementary school. Emphasis is given to instructional methods and recent trends in the social studies area.

Education 333. Fundamentals of Elementary Education. (2-2-4); I, III.

See Education 427. (When taken separately, permission of the Head of the Department is required.)

Prerequisites: Admission to the Teacher Education Program. The purpose and organization of the elementary school and the role of the teacher. Systematic observation and participa-

tion in all phases of instruction is an integral part of the course.

Education 336. Reading in the Primary Grades. (2-2-3); I, II, III.

May be taken concurrently with Education 321, Teaching of Arithmetic.

Prerequisite: Admission to the Teacher Education Program.

An examination and evaluation of the materials and methods of teaching developmental reading and related language arts in grade K-3. Laboratory experiences are an integral part of this course.

Education 337. Reading in the Intermediate Grades. (2-2-3); I, II, III.

May be taken concurrently with Education 321, Teaching of Arithmetic.

Prerequisite: Admission to the Teacher Education Program.

An examination and evaluation of the materials and methods of teaching developmental reading and related language arts in grades 4-8. Laboratory experiences are an integral part of this course.

Education 425S. Substitute Student Teaching. (3-2-4); III.

By permission from the Head, Department of Professional Laboratory Experiences.

Prerequisites: Admission to Teacher Education Program; at least one year of full-time teaching experience within the last ten years; completion of a minimum of 108 semester hours of college credit; attainment of a scholastic standing of 2.0 on all residence work completed at Morehead; a minimum standing of 2.5 on the work completed in area requirements; completion of the professional education courses—Education 100, 210, 321, 333, 336 or 337, and 410; at least one semester of residence credit earned at Morehead State University.

Experiences cover all classroom activities except teaching. (Application made through Department of Professional Laboratory Experiences.)

Education 427. Professional Semester. (Elementary) (10-18-15); I, II.

The professional semester is comprised of Education 325, 333, 410, and 425.

Prerequisites: Education 100, 210, 321, and 336 or 337, admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead; a minimum standing of 2.5 on all work completed in area requirements; completion of a minimum of 90 semester hours of work; at least one semester of residence credit earned at this University and permission of the Committee on Teacher Education.

Eight weeks are spent in student teaching and eight weeks are spent in class work. (Application made through Department of Professional Laboratory Experiences.)

Education 527. The Pre-School Child. (3-1-3); I, III. (Alternate summers with Ed. 528.)

Prerequisite: Junior standing.

The principles of growth and development from the prenatal period to age six. Focuses attention on learning experiences for nursery and kindergarten age children. (Formerly 327G)

Education 528. Activities and Materials in Early Childhood Education. (3-1-3); II, III.

(Alternate summers with Ed 527.)

Prerequisite: Junior standing.

Investigates the needs and interests of early childhood and provides opportunities to explore objectives, materials, and techniques of instruction for this age group. (Formerly 328G)

Education 529. Practicum in Early Childhood Education. (1-4-4); I, II, III.

Prerequisites: Education 527, Education 528, and admission to the Teacher Education Program.

Students are assigned to a pre-school classroom for observation, participation and teaching. On-campus seminars are held weekly. (Application made through Department of Professional Laboratory Experiences.) (Formerly 329G)

Education 562. Remedial Reading. (2-2-3); II, III. (Alternate summers with Education 677.)

Prerequisite: Education 336 or 337, or the equivalent.

Materials, methods of diagnosing and treating reading difficulties. (Formerly 462G)

Education 620. Research Problems in Elementary Education. (One to three hours); I, II, III.

Prerequisite: Education 600.

An independent study of a problem in the field of elementary education. The problem to be studied must be approved in advance by the instructor. Conferences with the instructor are by arrangement. (Formerly 520)

Education 624. Practicum in Reading. (3-5-4); II, III.

Prerequisite: Education 562 or the equivalent.

Supervised practice in working with students who have reading difficulty. (Formerly 524)

Education 626. Investigations in Reading. (2-0-2); I, II, III.

Prerequisite: Education 336 or 337, or the equivalent.

A study of current literature and research in the study of reading. (Formerly 526)

Education 627. Reading in the Elementary School. (3-0-3); I, III.

Prerequisite: Education 336 or 337, or the equivalent.

Extensive study of recent trends in materials and methods in teaching reading in the elementary school. (Formerly 527)

Education 632. Elementary School Curriculum. (2-0-2); II, III.

Implications of the wider goals of elementary education; the relation of each area of learning to the total program; research studies, and promising classroom experiences. (Formerly 532)

Education 671. Seminar—Problems of the Teacher. (1-0-1); I, II, III.

Individual research problems and theses; review of current educational research; significant problems in education especially related to the role of the teacher. Oral reports and group discussion. (Formerly 571)

Education 677. Reading in the Content Areas. (3-0-3); I, III. (Alternate summers with Education 562.)

Prerequisite: An approved course in reading.

A study of the basic reading abilities and study skills needed by elementary and high school students in all types of reading materials. Emphasis is placed on special skills needed for studying in science, social studies, mathematics, and literature. Required of all students working toward the M.A. with an emphasis in Reading in the Secondary School. (Formerly 577)



Department of HEALTH, PHYSICAL EDUCATION, AND RECREATION

Earl J. Bentley, Ed. D., Head

The Department of Health, Physical Education, and Recreation offers graduate and undergraduate professional preparation programs in health, physical education, and recreation. For information on graduate study in health, physical education, and recreation contact the Dean of Graduate Programs, Morehead State University.

The Department provides a service program with a wide variety of activity courses available to all students. A broad intramural sports program is also offered with student, faculty, and staff participation.

The Department of Health, Physical Education, and Recreation functions in a modern facility that provides a wholesome environment in which to conduct its professional programs, service program, and intramural sports program.

HEALTH

Requirements

For a Major:*

Health 160, 203, 205, 301, 320, 341, 342, 360, 402, 471,
475, and 532 31
Additional Requirements: Health 304, Biology 331,
Biology 332
Recommended: Speech 110, Philosophy 200

For a Minor:

Health 160, 203, 205, 301, 303, 320, 360
and 475 23
Additional Requirement: Health 304
Recommended: Biology 331, Biology 332

For an Endorsement in Driver Education:

Health 203, 310, 410, and 412 12

For a Minor (Non-Teaching):

Health 160, 203, 205, 303, 320, and 360 17
To be selected from Health 204, 301, 342, 402, 432,
and 471 5
22
Recommended: Biology 331

*Additional requirements for endorsement for teaching in
elementary grades: Health 300, Education 333.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Health 150. Personal Health. (2-0-2); I, II, III.

(Course will not be accepted as credit toward a major, minor, or emphasis in Health Education.)

Principles and practices of healthful living: personal, family, and community aspects of health.

Health 160. Introduction to Health. (2-0-2); I, II.

Prerequisite: Major, minor, or emphasis in Health Education.
Foundations of health, physical health, mental health, social health, environmental health.

Health 203. Safety and First Aid. (3-0-3); I, II, III.

Safety education and accident prevention program in school, industry, and public service; Red Cross Standard, Advanced, and Pre-Instructor First Aid.

Health 204. Instructor First Aid. (1-0-1); I, II.

Prerequisite: Current Red Cross Advanced First Aid Certificate, and permission of instructor.
Red Cross First Aid Instructor Training Course.

Health 205. Mental Health. (3-0-3); I, II, III.

Prerequisite: Psychology 154 or equivalent.
(See Education 205.)

Health 300. Health in the Elementary School. (2-0-2); I, II, III.

Prerequisite: Admission to the Teacher Education Program.
The elementary school health program; educational theory and methods as applied to health teaching on the elementary school level.

Health 301. Evaluation in Health, Physical Education, and Recreation. (3-0-3); I, II, III.

(See Physical Education 301.)

Health 303. Community Health. (3-0-3); I, II.

Principles and practices of health as applied to the community: the nature of the community, problems of community health, community health education.

Health 304. Health in the Secondary School. (2-0-2); I, II.

Prerequisite: Admission to the Teacher Education Program.

The secondary school health program, educational theory and method as applied to health teaching on the secondary school level.

Health 310. Introduction to Driver Education. (3-0-3); I, II, III.

Prerequisite: Sophomore standing.

Emphasis upon the effect of attitudes, emotions, and motivations on behavior. Review of research on accident causation and other relevant research.

Health 320. Elements of Nutrition. (3-0-3); I, II, III.

(See Home Economics 320.)

Health 341. Affiliation in School Health. (0-2-1); I, II.

Prerequisite: Major in Health Education, Health 304, and permission of instructor.

Guided observation and assisting in school health.

Health 342. Affiliation in Community Health. (0-2-1); I, II.

Prerequisite: Major in Health Education, Health 303, and permission of instructor.

Guided observation and reporting in community health.

Health 360. Family Health. (3-0-3); I, II, III.

Prerequisite: Major, minor, or emphasis in Health Education, or senior standing.

Study of the family and family living: the nature of the family, love, marriage preparation, marriage, family living.

Health 402. Kinesiology. (3-0-3); I, II, III.

Prerequisite: Biology 332.

Study of human motion: anatomy, physiology, mechanics, analysis, application.

Health 410. Intermediate Driver Education. (2-2-3); I, II, III.

Prerequisite: Health 310.

Teaching the student how to teach others to drive. Discussion of all levels of organization and appropriate teaching procedure.

Health 412. Advanced Driver Education. (3-0-3); I, II, III.

Prerequisite: Physical Education 310 and 410.

Teaching the psycho-physical problems of human behavior as it relates to safety and driver education. To analyze the causation of problems involving accidents.

Health 471. Seminar. (1-0-1); I, II, III.

Prerequisite: Major, minor, or emphasis in Health Education, and senior standing.

Seminar relative to current issues, problems, and research in the field of health.

Health 475. The School Health Program. (3-0-3); I.

Prerequisite: Major, minor, or emphasis in Health Education, and Health 300 or 304.

Study of all aspects of elementary and secondary level school health: philosophy, organization and administration, environment, services, education, evaluation.

Health 532. Physiology of Exercise. (2-0-2); I, II, III.

Prerequisite: Health 402 or concurrently.

(See Physical Education 532.)

Health 601. School Health Services. (2-0-2); I, alt. III.

Prerequisite: Twelve hours of undergraduate credit in Health.

Seminar approach to the total program of health in the school: education for health, administration, ecology, management, improvement. (Formerly 501)

Health 612. Public Health Services. (2-0-2); II, alt. III.

Prerequisite: Twelve hours of undergraduate credit in Health.

Seminar approach to the total program of public health: history and philosophy, administration, services, future. (Formerly 512)

Health 614. Principles of Epidemiology. (2-2-3); II.

Prerequisite: Health 612.

Ecology and causes of diseases; factors influencing occurrence of diseases; critical incidents in epidemiology, epidemiologic investigations. (Formerly 514)

Health 670. Research Problems. (One to three hours); I, II, III.

Prerequisite: Twelve hours of undergraduate credit in Health and permission of instructor.

Intensive investigation of a problem in health: problem must be approved prior to enrollment. Conferences with instructor as necessary. (Formerly 570)

Health 699. Thesis. (One to six hours); I, II, III.

Prerequisite: Approval of thesis topic by thesis committee.

Maximum of six (6) hours allowed. (Formerly 599)

PHYSICAL EDUCATION**REQUIREMENTS****For a Major in Physical Education (Men):***

	Sem. Hrs.
Physical Education 104, 120, 130 or 131, 132, 150, 203, 204, 301, 401, 402, 475 and 532	24
Selected from Physical Education 222M or 223M	2
Selected from Physical Education 309M, 319M, 409M, or 419M	2
Six activity courses approved by the department	6
	34

Additional requirements:

Biology 331 and 332	6
Physical Education 303	2
	42

*Students wanting to be certified from K-12 must take Physical Education 300 and Education 333.

For a Major in Physical Education (Women):*

Physical Education 104, 120, 130, or 131, 132, 150, 203, 204, 301, 306W, 307W, 401, 402, 475, and 532	28
Six activity courses approved by the department	6
	34

Additional requirements:

Biology 331 and 332	6
Physical Education 303	2
	42

*Students wanting to be certified from K-12 must take Physical Education 300 and Education 333.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

All activity courses carrying one hour of credit meet two hours per week for the entire semester or four hours per week for half of the semester.

Physical Education 100. Golf. (0-2-1); I, II, III.

Emphasis on skill, knowledge and techniques for individual participation.

Physical Education 101. Tennis. (0-2-1); I, II, III.

Emphasis on skill, knowledge, tactics and techniques for individual participation.

Physical Education 102. Badminton. (0-2-1); I, II, III.

Emphasis on skill, knowledge, tactics and techniques for individual participation.

Physical Education 103. Archery. (0-2-1); I, II, III.

Emphasis on skill, knowledge, tactics, and techniques for individual participation.

Physical Education 104. Gymnastics. (0-2-1); I, II.

Emphasis on self-testing activities. Locomotor activities, rolls, springs and dual stunts will be stressed.

Physical Education 105. Conditioning. (0-2-1); I, II.

Emphasis on developing physical fitness through a variety of exercises and activities.

Physical Education 106 (For Men). Wrestling. (0-2-1); I, II.

Rules of interscholastic and intercollegiate wrestling, various holds and escapes, and conditioning necessary to perform skills.

Physical Education 107. Bowling. (0-2-1); I, II, III.

Acquaints the student with the basic movement skills involved in bowling. Other factors considered will be knowledge of the rules, scoring, and the accepted procedures used in individual and team play.

Physical Education 108. Restricted Physical Education. (0-2-1); I, II.

For students with either a structural or functional problem which prevents their participation in the regular program. (May be repeated one time for credit.)

Physical Education 110. Judo. (0-2-1); II.

Emphasis will be on offensive maneuverability in all situations. The techniques of using the head, hands, and feet will be stressed.

Physical Education 111 (For Men). Touch Football and Basketball. (0-2-1); I.

Rules, techniques, and participation in touch football and basketball.

Physical Education 112. Handball and Squash. (0-2-1); I, II.

Emphasis on knowledge, tactics, skill and techniques for individual participation.

Physical Education 113. Soccer. (0-2-1); I, II.

Rules, techniques and participation in soccer.

Physical Education 114. Track and Field. (0-2-1); I, II.

Emphasis on skill, knowledge and techniques for individual participation.

Physical Education 115. Apparatus. (0-2-1); I, II.

Stress will be to acquaint the individual with the many pieces of apparatus on which self-testing activities can be performed.

Physical Education 116. Lacrosse. (0-2-1); I.

Acquaint the student with the basic skills involved in lacrosse. Other factors considered will be techniques and methods of playing and knowledge of rules.

Physical Education 117. Softball. (0-2-1); II.

Rules, techniques and participation in softball.

Physical Education 118. Volleyball. (0-2-1); I, II, III.

Rules, techniques and participation in volleyball.

Physical Education 120. Basic Rhythms. (0-2-1); I, II, III.

An activity course designed to develop both skills and knowledge in the fundamentals of dance.

Physical Education 121. Modern Dance. (0-2-1); I, II.

Modern dance technique, composition, and production. An introduction to movement as a means of self expression.

Physical Education 122. Social Dance (0-2-1); I, II.

The basic steps and combination of popular dances; to acquire a skill in these steps to participate in dancing for pleasure and satisfaction.

Physical Education 123. Folk and Square Dance. (0-2-1); I, II.

Traditional social dances of people of many nations, including the American square dance.

Physical Education 130. Beginning Swimming. (0-2-1); I, II, III.

Learning to swim well enough to care for one's self under ordinary conditions.

Physical Education 131. Intermediate Swimming. (0-2-1); I, II, III.

Perfection of standard strokes; diving.

Physical Education 132. Life Saving. (0-2-1); I, II, III.

Personal safety and self-rescue skills so that one may be capable of taking care of one's self. The ability to aid or rescue anyone in danger of drowning, if rescue is possible, by the best and safest method applying to the situation.

Physical Education 133. Instruction in Water Safety. (0-2-1); I, II.

Prerequisite: Current Senior Lifesaving Certificate.

Development of personal skills in swimming and lifesaving with emphasis on teaching methods and techniques. Successful completion of this course will provide certification as an American Red Cross W.S.I.

Physical Education 135 (For Women). Field Hockey. (0-2-1); II.

Designed to familiarize the student with fundamental skills and techniques in field hockey.

Physical Education 136 (For Women). Basketball. (0-2-1); I, II.

Designed to familiarize the student with fundamental skills and techniques in basketball.

Physical Education 150. Introduction to Physical Education. (2-0-2); I, II, III.

Principles and basic philosophy; aims and objectives; standards, and significance in the profession of physical education.

Physical Education 203. Safety and First Aid. (3-0-3); I, II, III.
(See Health 203.)**Physical Education 204. Officiating. (2-0-2); I, II.**

Interpretation of rules for all major sports. Methods and techniques of officiating; laboratory experience in officiating.

Physical Education 222 (For Men). Individual Sports I. (2-0-2); I, II, III.

Prerequisite: Tennis, badminton, and golf.

Emphasis on the development of performance skill and teaching techniques in tennis, badminton, and golf.

Physical Education 223 (For Men). Individual Sports II. (2-0-2); I, II, III.

Prerequisite: Wrestling, gymnastics and swimming.

Emphasis on the development of performance skills and teaching techniques in wrestling, gymnastics, and swimming.

Physical Education 300. Physical Education in the Elementary School. (2-0-2); I, II, III.

Selection and organization of materials and techniques of instruction for the elementary school program.

Physical Education 301. Evaluation in Health, Physical Education, and Recreation. (3-0-3); I, II, III.

Methods, techniques, and procedures used in the evaluation of students in health, physical education and recreation.

Physical Education 302. Athletic Injuries. (2-0-2); III.

Theory and practice of massage, bandaging, taping and caring for athletic injuries.

Physical Education 303. Physical Education in the Secondary School. (2-0-2); I, II, III.

Selection and organization of materials and techniques of instruction for the secondary school program.

Physical Education 304-305. Affiliation in Physical Education. (0-2-1); I, II.

Students will observe and assist a staff member in one or more of the service classes. The course is designed to give the student practical teaching experience under the guidance of qualified instructors within a particular area.

Physical Education 306 (For Women). Individual Sports I. (2-0-2); I, II, III.

Techniques and methods in individual sports to be used in teaching sports skills.

Physical Education 307 (For Women). Team Sports I. (2-0-2); I, II.

Techniques, knowledge, methods of teaching and source materials in teaching sports skills.

Physical Education 308 (For Men). Baseball Techniques. (2-0-2); I, II.

The fundamentals and strategy of baseball are covered from both the theoretical and practical aspects.

Physical Education 309 (For Men). Team Sports I. (2-0-2); I, II.

Emphasis on the development of performance skill and teaching techniques in basketball.

Physical Education 310. Introduction to Driver Education. (3-0-3); I, II, III.

(See Health 310.)

Physical Education 319 (For Men). Team Sports II. (2-0-2); I, II, III.

Emphasis on the development of performance skill and teaching techniques in baseball.

Physical Education 401. Organization and Administration of Physical Education. (3-0-3); I, II, III.

The arrangement of the units making up the physical education program, and the process of leadership by which the various aspects are brought together in a functioning whole.

Physical Education 402. Kinesiology. (3-0-3); I, II, III.

Prerequisite: Biology 332.

(See Health 402.)

Physical Education 409 (For Men). Team Sports III. (2-0-2); I, II.

Emphasis on the development of performance skill and teaching techniques in football.

Physical Education 410. Intermediate Driver Education. (2-2-3); I, II, III.

Prerequisite: Physical Education 310.
(See Health 410.)

Physical Education 412. Advanced Driver Education. (3-0-3); I, II, III.

Prerequisite: Physical Education 310 and 410.
(See Health 412.)

Physical Education 419 (For Men). Team Sports IV. (2-0-2); I, II.

Emphasis on the development of performance skills and teaching techniques in cross-country and track and field.

Physical Education 532. Physiology of Exercise. (2-0-2); I, II, III.

Prerequisite: Physical Education 402, or concurrently, or permission of instructor.

Study of the response of the body to muscular activity: nature of contraction, work and efficiency, cardiorespiratory adjustment, training and fitness. (Formerly 432G)

Physical Education 575. Adapted Physical Education. (2-0-2); I, II.

The nature and extent of the problem of exceptional students and the means whereby these students can be aided through physical education. (Formerly 475G)

Physical Education 576. Special Problems in Physical Education. (One to three hours) I, II.

Prerequisite: Upper division or graduate classification.

This course is designed to meet the special needs of individual students. An intensive study of approved specific problems

from the area of Health, Physical Education and Recreation, under the direction of the instructor. (Formerly 476G)

Physical Education 600. Current Problems in Physical Education. (2-0-2); I, III.

The purpose of this course is to identify, evaluate and propose solutions for problems confronted by individuals and groups who are concerned with health, physical education and recreation. (Formerly 500)

Physical Education 601. Tests and Measurements in Health, Physical Education and Recreation. (3-0-3); I, III.

Advanced principles of evaluation in health, physical education and recreation. (Formerly 501)

Physical Education 603. Theory and Philosophy of Dance. (2-0-2); I.

The relationship of aesthetics and dance in education and as a performing art. (Formerly 503)

Physical Education 604. History and Principles of Physical Education. (3-0-3); I.

Development of physical education; analysis of its aims, objectives and principles. (Formerly 504)

Physical Education 605. Planning Facilities for Physical Education. (2-0-2); II.

A study of school facilities, equipment, site selection, building plans and equipment placement in programs of health, physical education and recreation. (Formerly 505)

Physical Education 606. Physiological Effects of Motor Activity. (3-0-3); I, II, III.

Physiological changes resulting from motor activity. Familiarization with, and use of, the various instruments and devices for measuring physiological changes in the body. (Formerly 506)

Physical Education 608. Analysis of Motor Skills. (3-0-3); I.

Application of the principles of physics to the various skills in motor activities. (Formerly 508)

Physical Education 610. Readings in Health, Physical Education, and Recreation. (2-0-2); I, III.

Extensive guided reading to further acquaint the student with the total area of health, physical education, and recreation. (Formerly 510)

Physical Education 612. Curriculum Construction in Elementary Physical Education. (2-0-2); I, II.

An evaluation of the curriculum of the elementary school in relation to the needs of the pupil in the area of health, physical education and recreation; curricular planning to meet these needs. (Formerly 512)

Physical Education 615. Physical Education for the Exceptional Child. (2-0-2); II, III.

Diagnosing the abnormal child in relation to his individual needs and capabilities in the areas of physical education and recreation in the rehabilitation or development of the abnormal child. (Formerly 515)

Physical Education 616. Foundations and Trends in Health, Physical Education and Recreation. (2-0-2); I, III.

Physiological, psychological, sociological and scientific foundations of health, physical education and recreation. Current trends in health, physical education and recreation. (Formerly 516)

Physical Education 625. Adaption of Muscular Activity. (2-2-2); II, III.

Prerequisite: Physical Education 575.

Advanced study of physical education for the exceptional education programs; program planning, principles and techniques, evaluation. (Formerly 525)

Physical Education 670. Research Problems. (One to three hours) Arranged to meet the needs of the student. (Formerly 570)

Physical Education 699. Thesis. (One to six hours); I, II, III.

Prerequisite: Approval of thesis topic by thesis committee. Maximum of six (6) hours allowed. (Formerly 599)



RECREATION

REQUIREMENTS

For a Major:

	Sem. Hrs.
Recreation 201, 209, 285, 286, 288, 290, 305, 310, 370, 388, 471, 475, 490, and 530	30

For a Minor 21

Arrangements for this minor may be made with the Director of the Program in Recreation.

For the Associate—Two-Year Program in Recreation:

Recreation 201, 209, 285, 286, 288, 290, 305 370 and 490	18
Physical Education (222 and 223—Men), (306W and 307W—Women), and 300	6
Health 203	3
P.E. Activity Electives	10
English (101 & 102)	6
Sociology (101 & 203)	6
Education (153 & 210)	6
General Electives	8

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Recreation 201. Outdoor Recreation. (3-0-3); II, III.

Scope and history of outdoor recreation. Development of camp craft skills.

Recreation 209. Recreational Sports. (2-0-2); I, II, III.

Prerequisite: Three of five activities.

History, knowledge of rules, proficiency of the skills, and teaching ability of: bowling, archery, volleyball, soccer and squash-handball.

Recreation 285. Community Recreation. (2-0-2); I, II, III.

Emphasizes the general aspects of community recreation, the place of the school and other social institutions in recreation.

Recreation 286. Recreation Leadership. (2-0-2); I, II, III.

History, theory, and philosophy of recreation. Practical techniques of leadership for low organization activities.

Recreation 288. Recreational Arts and Crafts. (1-2-2); I, II, III.

Methods and materials, techniques of producing all types of crafts suitable for playground, community centers, hospital, school, camp and club programs.

Recreation 290. Field Experience I. (0-2-1); I, II, III.

The course is designed to give the student practical experience under the guidance of qualified leadership. (Application made through Department of Professional Laboratory Experiences.)

Recreation 305. Social Recreation. (2-0-2); II.

Practical application of planning, demonstration and conducting activities and programs for various social events and gatherings.

Recreation 310. Youth Organizations. (2-0-2); II.

History, principles, purposes of the major youth service organizations with emphasis on leadership techniques and programming.

Recreation 388. Community Centers and Playgrounds. (3-0-3); I, III.

Leadership techniques, programming and operation related to the planning and administration of community centers and playgrounds.

Recreation 471. Seminar (1-0-1); I, II.

Discussion and reporting of current issues and problems in the recreation profession.

Recreation 475. Recreation for the Handicapped. (3-0-3); II, III.

Philosophy, objectives and basic concepts of therapeutic recreation. Emphasis on rehabilitation needs within institutional and community settings.

Recreation 477. Recreation Internship. (Four to eight hours.)

Planning, leadership, supervision, and program evaluation experience in a community recreation public agency program under qualified administrative leadership and University faculty supervision. (Application made through Department of Professional Laboratory Experiences.)

Recreation 490. Field Experience II. (0-2-1); I, II, III.

The course is designed to give the student practical experience under the guidance of qualified leadership. (Application made through Department of Professional Laboratory Experiences.)

Recreation 570. Children's Theatre. (3-0-3); II.

Prerequisite: Dramatic Arts 100.
(See Dramatic Arts 570.)

Recreation 576. Special Problems in Recreation. (One to three hours); I, II.

Prerequisite: Upper division or graduate classification.

This course is designed to meet the special needs of individual students. An intensive study of approved specific problems from the area of recreation under the direction of the instructor.

Recreation 580. Outdoor Interpretation. (2-2-3); II, III.

Procedures for conducting and supervising naturalist and outdoor interpretive programs. (Formerly 480G)

Recreation 630. Programs in Recreation. (2-0-2); II, III.

A study of the different media through which recreation is presented. Sponsoring groups, personnel, administration, organization, facilities, finances, maintenance, equipment, supplies and promotion. (Formerly 530)

Recreation 635. Organization and Administration of Intramural Activities. (2-0-2); II, III.

The history and philosophy of intramural activities; the relationship of intramural activities to education, physical education, and recreation. (Formerly 535)

Recreation 640. Recreation in the Senior Years. (2-0-2); I, III. (Formerly 540)**Recreation 670. Research Problems in Recreation. (One to three hours); I, II, III.**

Prerequisite: Education 600.

Intensive investigation of a problem in recreation. Problem must be approved prior to enrollment. Conferences arranged with instructor as necessary. (Formerly 570)

Recreation 699. Thesis. (One to six hours); I, II, III.

Prerequisite: Approval of thesis topic by thesis committee. Maximum of six (6) hours allowed. (Formerly 599)

Department of LIBRARY SCIENCE AND INSTRUCTIONAL MEDIA

Norman Tant, Ph. D., Head

The Department of Library Science and Instructional Media is responsible for the instruction, advisement, research, and service components of programs associated with library science and instructional media. The undergraduate and graduate curricula are designed to fulfill the requirements for certification for librarians and to provide supportive courses in media for teachers, media specialists, and para-professionals.



LIBRARY SCIENCE

Requirements for a Minor:

			Sem. Hrs.
LS	227	Literature and Materials for Children	3
LS	301	Library Organization and Administration .	3
LS	511	Cataloging and Classification	3
LS	521	Books and Materials for Young People . . .	3
LS	523	Reference and Bibliography	3
LS	582	Audiovisual Aids in Instruction	3
LS		Elective	3
			21

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term the course is normally offered: I—Fall Semester, II—Spring Semester and III—Summer Term.

Library Science 227. Literature and Materials for Children. (3-0-3); I, II, III.

Study of poetry, picture books, folk and fairy tales, fiction, biography and informational books for children. Criteria for judging each group; methods for using each group in school curriculum. Units on story-telling, free and inexpensive materials and aids in book and non-book selection.

Library Science 301. Library Organization and Administration. (3-0-3); I, II, III.

Introductory course; broad picture of school library and its function in total school program. Units on: history of libraries; philosophy of school librarianship; housing and equipment; acquisition and mechanical processing of materials; circulation routines; public relations; use of student staff; and knowledge of library standards.

Library Science 511. Cataloging and Classification. (3-0-3); I, II, III.

Prerequisite: Skill in typing required.

Dewey Decimal Classification, Sears subject headings, principles of simplified cataloging of book and non-book materials. (Formerly 311G)

Library Science 521. Books and Materials for Young People. (3-0-3); I, II, III.

Principles of selecting books and non-book materials; reading interests and needs; criteria for judging materials; reading guidance through use of book talks, reviews, and discussions; emphasis on reading books for the adolescent. (Formerly 321G)

Library Science 522. Books and Materials for Adults. (3-0-3); II.

The library in adult education; books and other informational materials; appraisal of reading interests, habits, needs and abilities; techniques of reading guidance. (Formerly 322G)

Library Science 523. Reference and Bibliography. (3-0-3); I, III.

General reference books by types and a bio-bibliography. (Formerly 411G)

Library Science 575. School Library Practice. (Three to four hours); I, II, III.

Prerequisite: All other library science courses required for certification except those taken at the same time as practice work.

Practical application of procedures in modern school library. Reading guidance, story telling, book talks, organization of teaching materials are stressed. (Application made through Department of Professional Laboratory Experiences.) (Formerly 475G)

Library Science 582. Audiovisual Aids in Instruction. (3-0-3); I, II, III.

(See Education 582)

Library Science 599. Library Media Workshop. (One to six hours); on demand.

Subject matter and length of time vary; prerequisites determined for each. May be repeated but not to exceed a total of six hours. (Formerly 499G)

Library Science 621. Research in Media for the Adolescent. (3-0-3); II, III.

Prerequisite: Library Science 521, Books and Materials for Young People, or comparable course.

Open to students prepared to carry on semi-independent study in media for adolescents with an in-depth study in one or more areas.

Library Science 627. Research in Children's Literature. (3-0-3); II, III.

Prerequisite: A course in literature for children.

Open to students prepared to carry on semi-independent study in literature for children and adolescents. Reading of books for children and adolescents, in-depth study in one or more areas. (Formerly 527)

Library Science 670. Research Problems. (3-0-3); I, II, III.

Prerequisite: Education 600; school library experience; and courses necessary for provisional library certificate.

Investigation of a problem in library services utilizing basic methods of research; methodology to include collection and analysis of original data; prospectus and written report. (Formerly 570)

INSTRUCTIONAL MEDIA

Education 547. Utilization of Educational Television. (3-0-3); I, II, III.

Prerequisite: Upper division standing.

The use of television in the classroom. The history and background of ETV; how a telecourse is developed; personnel needed; examples of telelessons and their use by outstanding teachers; the importance of the course guide; effective motivational and follow-up techniques with the help of other media with particular emphasis on the role of the classroom teacher; and role playing using videotapes of current ETV broadcasts comprise the major emphases in the course. (Formerly 447G)

Education 582. Audiovisual Aids in Instruction. (3-0-3); I, II, III.

Prerequisite: Upper division standing.

Overview of the instructional media in use in up-to-date schools. Lectures, demonstrations and practical applications of widely available audiovisual equipment, materials, and methods are used. Each student is required to demonstrate competence in the operation of the major types of audiovisual equipment. (Formerly 382G)

Education 583. Producing Audiovisual Materials. (2-0-2); II.

Prerequisite: Education 582 or equivalent.

Production of various types of audio-visual learning materials with emphasis upon the design and production of overhead transparencies, photographic copying, extreme closeup photography, "Super 8-mm" filming as applicable to school programs. (Formerly 482G)

Department of PROFESSIONAL LABORATORY EXPERIENCES

John W. Payne, Ed. D., Head

The major functions of the Department of Professional Laboratory Experiences are the provision, coordination, and supervision of all off-campus laboratory experiences associated with the School of Education. Arrangements for professional experiences and assignments of student teachers are provided through contractual agreements with secondary and elementary schools in the eastern, northern, and northwestern areas of Kentucky. Supervision is provided by professors from secondary and elementary education and certain academic departments outside the School of Education. Programs of in-service training are provided for supervising teachers through extension courses and workshops.

Laboratory experiences are offered for undergraduates and graduates in pre-school, elementary and secondary education; in educational administration, guidance, recreation, library science, special education and psychology.

Professional Laboratory Experience courses for which application must be made with the Department of Professional Laboratory Experiences one semester in advance:

Education 325/425	Elementary Student Teaching
Education 529	Practicum in Early Childhood Education
Education 375/475	Secondary Student Teaching
Education 425S	Substitute Student Teaching for Experienced Elementary Teachers
Education 475S	Substitute Student Teaching for Experienced Secondary Teachers
Education 435	Practicum in Special Education (EMR)
Education 436	Practicum in Special Education (TMR)
Education 675	Practicum in Special Education
Education 669	Practicum in Guidance and Counseling
Recreation 290	Field Experience I
Recreation 490	Field Experience II
Recreation 477	Recreation Internship
Library Science 575	School Library Practice

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 325. Supervised Student Teaching—Elementary. (0-10-4); I, II, III.

Prerequisites: (See Prerequisites for Admission to the Professional Semester, page 170.

Each student is assigned to a four-hour block in a student teaching center during which time observations, participation and student teaching are done. Teaching may be done in any of the elementary grades. Special conferences with the supervising teacher, attendance, and participation in faculty meetings and out-of-school activities are also required.

Education 425. Supervised Student Teaching—Elementary. (0-10-4); I, II, III.

This course is a continuation of Education 325.

Education 375. Supervised Student Teaching—Secondary. (0-10-4); I, II, III.

Prerequisites: (See prerequisites for Admission to the Professional Semester, page 170.

Each student is assigned to a four-hour block in a student teaching center during which time observation, participation, and student teaching are done. Special conferences with the supervising teacher, attendance and participation in faculty meetings and out-of-school activities are also required.

Education 475. Supervised Student Teaching—Secondary. (0-10-4); I, II, III.

This course is a continuation of Education 375.

Education 590. Supervision of Student Teaching. (3-0-3); I, II, III.

Prerequisite: Teacher's certificate.

Basic principles and procedures in the techniques of supervision of student teachers. The course is designed to prepare teachers to become supervising teachers who provide the professional laboratory experiences during student teaching. Preparation for the orientation of student teachers, planning for and supervision of teaching and evaluation are included. (Formerly 490G)

Department of PSYCHOLOGY AND SPECIAL EDUCATION

L. Bradley Clough, Ph. D., Head



The Department of Psychology and Special Education is responsible for the instruction, advisement, research, and service components normally associated with undergraduate and graduate studies in psychology and special education. The undergraduate curricula include majors and minors in psychology and special education. Psychology offers to the student an opportunity to gain greater insight into his own behavior and the behavior of others. It examines the bases of emotional stability, the problems of continual adjustment, and the role of learning in man's adaptability. Training in psychology can lead to employment in business and industry, government, social agencies, hospitals and clinics, and schools and colleges in such fields as personnel selection and classification, psychological testing, vocational guidance, clinical work, school psychologist, college teaching, child guidance, social work, and psychological research.

Psychology bridges a wide variety of natural and social sciences. It is recommended, therefore, that majors and minors of psychology obtain a broad background in related natural and social sciences. Those students interested in pursuing psychology as an experimental science should emphasize the natural sciences, especially physiology, zoology, chemistry, and mathematics. Those students whose interests lie in the clinical aspects of psychology should emphasize the social sciences, especially sociology, anthropology, and special education. A modern foreign language is recommended for all students who intend to pursue graduate study in psychology.

PSYCHOLOGY

Requirements for a Major:

	Sem. Hrs.
Psychology 154, 155, 581, and 585	12
Electives in Psychology approved by the department	18
	30
Additional requirement—Mathematics 353	3
	33

Requirements for a Minor:

Psychology 154 or 155	3
Electives in Psychology approved by the department	18
	21
Additional requirement—Mathematics 353	3
	24

Master of Arts Degree

Students taking graduate work in the department may elect a program leading to a Master of Arts Degree with a major emphasis in experimental psychology, clinical psychology, or school psychometry. These programs emphasize breadth of understanding of psychology as a science while at the same time allowing the student to pursue more intensely some special field of psychology. Students interested in doing graduate work in psychology should consult the graduate bulletin and also write to the Department of Psychology for further information.

Twenty-four semester hours of credit in psychology and admission to a graduate program in the Department of Psychology are required for admission to all psychology courses numbered 650 and above.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Psychology 154. Life-oriented General Psychology. (3-0-3); I, II, III.

An introductory and general course concerning the application of psychological theories and principles in the areas of personality, abnormal psychology, clinical psychology, psychodiagnostics, developmental psychology, psychotherapy and counseling; includes some understanding of methods used in personality and clinical research. (Majors should take Psychology 155 before Psychology 154.)

Psychology 155. Science-oriented General Psychology. (3-0-3); I, II, III.

Psychology as a behavioral science. Emphasis on the experimental areas in psychology including learning, motivation, emotion, perception, biopsychology, and development. (Majors should take Psychology 155 before Psychology 154.)

Psychology 221. Child Psychology. (3-0-3); I.

Prerequisite: Psychology 154 or 155.

General principles of child development; factors influencing development of motor abilities, emotions, and social interactions; covers changes in behavior that occur between the time of conception and the time of puberty.

Psychology 222. Adolescent Psychology. (3-0-3); II.

Prerequisite: Psychology 154 or 155.

The meaning and significance of adolescence; physical, emotional, social, and mental growth; adolescent interests; home, school, and community problems of the adolescent; personality development.

Psychology 330. Psychology of Exceptional Children. (3-1-3); II.

Prerequisite: Psychology 154 or 155.

Introduction to the psychology of exceptional children: emphasis placed upon the identification, causes, and therapeutic treatment processes for various forms of psychopathology in children.

Psychology 353. Industrial Psychology. (3-1-3); I, II.

Prerequisite: Psychology 154 or 155.

Applied experimental and engineering psychology. Surveys of basic engineering data with emphasis on experimental procedure, receptive and motor capacities, and their application to equipment design and other problems.

Psychology 390. Psychology of Personality. (3-0-3); I.

Prerequisite: Psychology 154 or 155 and Mathematics 353.

The development and structure of personality. Temperament, aptitudes, motives, attitudes, interests, and values considered as types of traits. Attention given to personality and theories of personality. Cultural implications for maturity in mental health in relation to personality.

Psychology 422. Comparative Psychology. (3-0-3); II.

Prerequisite: Psychology 154 or 155.

Theory and application of field and laboratory techniques used in understanding behavior of animals. Areas studied include: instinct, learning, motivation, sensory discrimination, heredity, and perception.

Psychology 521. Physiological Psychology. (3-0-3); I.

Prerequisite: Psychology 154 or 155.

Physiological mechanisms of normal human and animal behavior. Anatomy and physiology relevant to the study of sensory and motor functions, emotion, motivation and learning. (Formerly 421G)

Psychology 554. Social Psychology. (3-0-3); II.

Prerequisite: Psychology 154 or 155.

The scientific study of the individual's relationships with his social environment. Emphasis is placed on attitudes, personality, prejudice, discrimination dominance, role theory, social learning, social and interpersonal perception, and social movements. (Formerly 354G)

Psychology 556. Introduction to Clinical Psychology. (3-1-3); I.

Prerequisite: Psychology 154 or 155 and Mathematics 353.

A survey of basic theoretical issues and research in the areas of assessment and psychotherapy, ethical, legal, and other professional problems in clinical psychology. Emphasis on clinical aspects of the school psychologists' functions in working with school age children. (Formerly 456G)

Psychology 558. Psychological Testing. (1-3-3); I.

Prerequisite: Psychology 154 or 155 and Mathematics 353.

A general introduction to psychological testing. Topics covered include interest inventories, measurement and evaluation of personality, proficiency, performance, attitudes, temperament, aptitude, capacity, and intelligence through use of group assessment instruments used in psychological research, guidance, education, social research, business and industry. (Formerly 458G)

Psychology 575. Selected Topics. (2-2-3—6 hours); I, II, III.

Prerequisite: Consent of instructor.

Various methods courses in instrumentation and data reduction, innovation and research design, directed study of special problems in psychology, various application courses, and others.

Psychology 581. Experimental Psychology I. (2-2-3); I.

Prerequisite: Psychology 154 or 155 and Mathematics 353.

The study of experimental methods and design related to sensation, perception, discrimination, learning, forgetting, and retention. (Formerly 481G)

Psychology 582. Experimental Psychology II. (2-2-3); II.

Prerequisite: Psychology 581 or consent of instructor.

A continuation of Psychology 581. This course includes theory, original psychological experimentation by the student, laboratory method, and data analysis. (Formerly 482G)

Psychology 583. Sensory Psychology. (2-2-3); I.

Prerequisites: Psychology 154 or 155 and Mathematics 353.

The study of the biological and the physical bases of sensory experience. Presentation of psychophysical data and basic techniques for scaling of sensation. Coverage of all sensory systems with primary emphasis on vision and audition. (Formerly 483G)

Psychology 584. Perception. (2-2-3); II.

An examination of the role of perception as an information-extraction process. Includes the constancies, space perception, illusions, and the influence of learning and experience on the development of perception. (Formerly 484G)

Psychology 585. Systems and Theories. (3-0-3); I.

Prerequisites: Psychology 154 or 155 and Mathematics 353.

An intensive study of the more influential historical systems of psychology including structuralism, functionalism, associationism, behaviorism, Gestalt psychology, and psychoanalysis, and a treatment of contemporary developments. (Formerly 485G)

Psychology 586. Motivation. (2-2-3); II.

Prerequisite: Psychology 154 or 155.

A consideration of the bases of human and animal motivation in relation to other psychological processes. (Formerly 486G)

Psychology 589. Psychology of Learning. (3-0-3); II, III.

Prerequisite: Psychology 154 or 155.

The fundamental principles of learning including acquisition, retention, forgetting, problem solving, and symbol formation; experimental studies; the application of principles to practical problems in habit formation, development of skills, remembering, and logical thinking. (Formerly 389G)

Psychology 590. Abnormal Psychology. (3-1-3); II.

Prerequisite: Psychology 154 or 155.

The psychology, behavior, and treatment of individuals having superior or inferior mental abilities; perceptual handicaps, orthopedic problems, and behavioral disorders, and the general methods of facilitating growth, therapy, and research in this area. (Formerly 490G)

Psychology 600. Seminar. (One to nine hours).

Prerequisite: Permission of major professor in psychology.

May be repeated for a maximum of nine hours. (Formerly 500)

Psychology 609. Advanced Educational Psychology. (3-0-3); II, III.

Prerequisite: Psychology 154 or 155.

An advanced and applied study of principles of learning, mental health, and development in relation to evaluative, remedial, and educational processes. (Formerly 509)

Psychology 610. Advanced Human Growth and Development. (3-0-3); I, II, III.

Prerequisites: General Psychology and Education 210.

A study of the developmental processes in childhood and adolescence. Application of principles of development, research findings, and theory to human behavior. (Formerly 510)

Psychology 612. Aspiration and Ability Evaluation. (1-3-3); III.

Prerequisites: Psychology 154 or 155 and permission of instructor.

Administration, interpretation and use of tests in individual and group guidance; educational diagnosis; evaluation of student interests and abilities. Establishing evaluation programs in the schools to measure achievement, attitudes, interests, and pupil abilities. (Formerly 512)

Psychology 621. Advanced Physiological Psychology. (2-2-3); II.

Prerequisites: Psychology 154 or 155 and Psychology 521.

Interaction of physiology and behavior including the study of the peripheral and central nervous systems as they relate to motor coordination and reflex processes. (Formerly 521)

Psychology 633. Personality Theory. (3-0-3); II.

Prerequisites: Psychology 154 or 155 and permission of instructor.

An examination of theories of personality. The relation of current theories to psychological research will be examined. (Formerly 533)

Psychology 634. Learning Theory. (3-0-3); I.

Prerequisite: Psychology 154 or 155.

An examination of theories of learning and the relationship of these theories to psychological research. (Formerly 534)

Psychology 657. Mental Measurements. (1-5-3); I.

Prerequisites: Psychology 558 and admission to graduate study in the Department of Psychology.

Types of psychometric and objective methods for the measurement of mental ability and behavior. Special emphasis on training students to evaluate ability and transmit data on learning and behavior problems of clients to other professionals and school personnel. (Formerly 557)

Psychology 658. Mental Measurements II. (1-5-3); II.

Prerequisite: Psychology 657.

A continuation of Psychology 657. Increased emphasis on evaluative procedures. (Formerly 558)

Psychology 661. Introduction to Projective Techniques. (1-5-3); I.

Prerequisite: Psychology 558.

Projective tests as instruments for collecting thought content, attitudes, and feelings; their use in clinical diagnosis and

therapy. Practice in administering, scoring, and interpretation. (Formerly 561)

Psychology 662. Advanced Projective Techniques. (1-5-3); II.

Prerequisite: Psychology 661.

A continuation of Psychology 661. (Formerly 562)

Psychology 664. Construction of Testing Instruments. (1-4-3); I.

Prerequisite: Psychology 558.

Principles involved in construction of different types of standardized tests, followed by the construction and item analysis of two original tests by the student. (Formerly 564)

Psychology 672. Internship in Clinical-School Psychology. (Six to twelve hours); I, II, III.

Permission of instructor required.

Placement of school psychology trainees in school and clinical settings for internship under qualified supervision. Open only to advanced graduate students in the school psychologist program. Six hours minimum credit required. (Formerly 572)

Psychology 673. Clinical Methods. (1-5-3); I, II.

Permission of instructor required.

Techniques and theories of the psychotherapeutic and psychodiagnostic processes. Intensive use of projective and objective instruments with pre-school and school age populations. Open only to advanced students in the school psychologist program. (Formerly 573)

Psychology 690. Psychological Research. (Two to nine hours); I, II, III.

Permission of instructor required.

A seminar, research design, and problems course to explore in depth specific areas of research related to the student's principal professional objective. (Formerly 590)

Psychology 699. Thesis. (One to six hours).

Permission of instructor required. (Formerly 599)

SPECIAL EDUCATION

This program is designed to provide the Special Education student with skills in teaching and administering a special class program and competencies for acting as resource personnel to others in the school. The program emphasizes training in techniques of working with pupils who have perceptual problems and physical, mental, and emotional handicaps that inhibit learning and development. During the freshman and sophomore years students should emphasize the general

University requirements in their program of studies. Education 330 is normally taken in the sophomore year and all other Special Education courses completed in the last two years of study. Students enrolled in the program of studies leading to either secondary or elementary certification in another teaching area should decide during their junior year whether they plan to teach the trainable mentally retarded or the educable mentally retarded.

Requirements for a Major:

	Sem. Hrs.
Education 330, 550, 555, or 556, 336 or 337, 320, Recreation 475, 537, 462	24
Electives in Special Education to be selected from the following: Recreation 288 or Physical Education 575, Psychology 330 or Psychology 590, Psychology 583. EMR majors may elect Education 321 as an elective	6
	30
Laboratory Experience, Education 435 or 436	4-8
	34-38
Professional Semester for students seeking certification . . .	15

Requirements for a Minor:

	Sem. Hrs.
Education 330, 550, 555 or 556, 336 or 337, 537	15
Electives in Special Education approved by the department .	6
	21
Laboratory Experience, Education 435 or 436	4
Education 330 is a prerequisite for all Special Education courses.	

All students majoring in Special Education for certification must have a teaching major or minor in another field. If a teaching minor in Special Education is desired, a teaching major in another field is necessary. Requirements for other teaching majors and minors are listed in the catalog.

A student not working toward teacher certification may major or minor in Special Education without having a teaching major or minor in another field and is exempted from the professional semester and professional education courses outside of this program of studies.

At least 15 hours of approved Special Education credit, including Education 555 or 556, must be completed prior to admission to the Laboratory Experience. During Laboratory Experience students will teach in either an educable or trainable Special Education class, depending upon their professional goals.

SUGGESTED PROGRAM

The following program has been devised to assist the student in planning his course work. Strict adherence to the proposed program is not essential, but is helpful. The department strongly recommends that students seek guidance in scheduling their courses prior to each semester.

FRESHMAN YEAR*First Semester*

Eng	101	Composition I	3
PE		Activity Course	1
Sci		Physical Science	3
Psy	154	General Psychology	3
Ed	100	Orientation in Education	1
		Geography Elective	3
Music	100	Rudiments of Music	2
			16

Second Semester

Eng	102	Composition II	3
Art	121	School Art I	2
Sci		Biological Science	3
PE		Personal Health	2
Soc	101	General Sociology	3
Math	121	Introduction to Statistics	3
			16

SOPHOMORE YEAR*First Semester*

Ed	210	Human Growth & Development	3
Eng	202	Literature	3
PE		Activity Course	1
		Soc Sci Elective	3
		Philosophy	3
		Elective*	3
			16

Second Semester

Ed	330	Education of Exceptional Child	3
		Sp Ed Elective	3
		Soc Sci Elective	3
		Sci or Math Elective	3
Spch	300	Oral Communications	3
		Elective*	2
			17

*Electives should be used to complete a teaching minor.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 330. Education of Exceptional Children. (3-0-3); I, II, III.

Procedures for the identification, education, and treatment of exceptional children—the gifted, those with low intelligence, and the handicapped—including the behavioral deviations involved.

Education 435. Special Education Student Teaching (EMR).

Prerequisites: Completion of 15 hours of approved courses; admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on residence courses at Morehead; completion of 90 semester hours; minimum of one semester residence; and permission of the Teacher Education Committee.

Four weeks are spent in a public school special education classroom during intersession or on an arranged basis during the fall or spring semester. (Application made through Department of Professional Laboratory Experiences.)

Education 436. Special Education Student Teaching (TMR). (See Education 435.)**Education 537. Diagnostic and Remedial Techniques. (2-2-3); I, II, III.**

Diagnostic testing; the causes of retardation; specific disabilities in school; behavior problems; cumulative record keeping; case studies; remedial techniques. (Formerly 437G)

Education 550. Nature and Needs of Retarded Children. (3-0-3); I, II, III.

Prerequisite: Education 330.

The physical, psychological, and educational needs of educable and trainable mentally retarded children; research pertaining to the nature and needs of the mentally retarded; ways of developing maximum abilities. (Formerly 350G)

Education 552. Special Problems in Learning Disorders. (0-4-2); I, III.

Prerequisites: Education 550 and 555 or 556.

An examination of psychological, medical, and educational literature involved with survey, clinical, and experimental work concerning a specific learning disorder. Diagnosis, therapy, and prognosis relative to a specific learning impairment of a cluster of related elements. (Formerly 452G)

Education 555. Teaching the Mentally Retarded. (EMR). (2-2-3); I, II, III.

A consideration of curriculum sequence as specialized methods of instruction applicable to handicapped learners in classes for educable mentally retarded. The construction, use, and adaption of materials by teachers who are working with retarded children.

Education 556. Teaching the Mentally Retarded (TMR). (2-2-3); I, II, III.

Prerequisite: Education 330.

Application of methods and materials for teaching the trainable mentally retarded. The construction and use of instructional aids to be used with the retarded individual.

Education 565. Auditory and Visual Problems. (2-2-3); II.

Prerequisite: Education 330.

Techniques for measuring hearing threshold with emphasis on the educational implication of impaired hearing; group screening; individual pure-tone testing; and speech audiometry. Identification of the partially sighted and materials and methods to aid in teaching the visually handicapped. (Formerly 465G)

Education 610. Advanced Human Growth and Development. (3-0-3); I, II, III.

Prerequisites: Psychology 154 or 155 and Education 210.

(See Psychology 610.)

Education 655. Teaching the Exceptional Child. (Two hours for each sub-section of the course); I, II, III.

Prerequisite: Education 550.

A—Educable Mentally Retarded

B—Trainable Mentally Retarded

C—Gifted

D—Emotionally Disturbed

E—Physically and Perceptually Handicapped

Evaluation and practice in the use of materials, methods, and curricula sequences for special class children. Emphasis is placed on adapting learning environments related to language, art, social skills, quantitative operations, health, and creative activities to meet the demands of children with special learning disorders or talents. (Formerly 555)

Education 661. Exceptional Child Research and Problems. (Two to six hours); I, II, III.

Prerequisite: Education 550.

A seminar research problems course that provides students with an opportunity to explore in depth particular problems related to learning disorders. (Formerly 561)

Education 668. Organization of Special Classes in the School. (1-3-2); II, III.

Prerequisite: Education 550.

The relation between the special class teacher and students within the matrices of the larger school community. Techniques of parental counseling and introduction of the students into the work and social aspects of the larger community. (Formerly 568)

Education 675. Practicum in Special Education. (Three to six hours); I, II, III.

Supervised practice in working with specific groups of exceptional children in educational, clinical, or institutional settings using a holistic, multi-discipline approach to therapy and/or prescriptive teaching. Credit towards student teaching and/or clinical experience with retarded, partially sighted, hearing loss, gifted, disturbed, physically handicapped, speech disorder or multiple handicapped children or adolescents is provided, depending on the student's area of concentration. (Formerly 575)

Department of SECONDARY EDUCATION

Robert Needham, Ed. D., Head

The primary role of the Department of Secondary Education, as a component of the School of Education, is to serve the various Schools of the University by offering a professional education curriculum leading to certification of teachers for the secondary schools. In preparing students to operate effectively as teachers on the secondary level, the department offers practical experience in long-range and short-range planning, various approaches in methodology and teaching techniques, investigation into the organization and objectives of secondary education, and exploration into current educational innovations.

For those students interested in graduate study, curricula leading to the degree of Master of Arts in Education and post-master's programs are offered for secondary teachers.



DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Education 300. Introduction to Student Teaching. (1-1-1); I, II, III.

Prerequisites: Education 100, 210, and admission to the Teacher Education Program.

Introductory course designed to prepare the student specifically for the Professional Semester in secondary education.

Education 374. Improvement of Instruction in the Secondary School. (3-0-3); Extension.

A study of the problems of curriculum organization, effective staff relationships, and pertinent problems concerning instruction and management.

Education 410. Human Growth and Development II. (3-0-3); III.

Prerequisites: Education 100, 210, and admission to the Teacher Education Program.

A continuation of Education 210.

Education 472. Fundamentals of Secondary Education. (3-1-4); III.

Prerequisites: Education 100, 210, and admission to the Teacher Education Program.

A comprehensive course emphasizing the functions and organization of the secondary school; principles, methods, and techniques of teaching; evaluating activities; professional activities of the teacher; and community relationships.

Education 475S. Substitute Student Teaching for Experienced Teachers—Secondary. (3-2-4); III.

Prerequisites: Education 100, 210, 410, and 472; admission to the Teacher Education Program; at least one year of full-time

teaching experience within the last ten years; completion of a minimum of 108 semester hours of college credit; attainment of a scholastic standing of 2.0 on all residence work completed at Morehead; a minimum standing of 2.5 on the work completed in area or major; completion of at least seventy-five percent of the course work in the area or major in which the student is to teach.

A course offered to experienced teachers in lieu of Education 475. The experiences provided include: observing, remedial and individual instruction, case studies, study of adolescent behavior, teaching aids, evaluation, reading, and professional relations. (Application made through Department of Professional Laboratory Experiences.)

Education 477. Professional Semester. (10-18-15); I, II.

Prerequisites: Education 100, 210, and 300; admission to the Teacher Education Program; attainment of a scholastic standing of 2.0 on all residence courses completed at Morehead at the time student teaching begins; a minimum standing of 2.5 on all work completed in the field in which teaching is to be done; completion of seventy-five percent of the course work in the area or major in which the student is to teach, completion of 90 semester hours of credit; at least one semester of residence credit earned at the University.

The Professional Semester completes the individual's professional training at the undergraduate level and includes those phases of training found in courses carrying the titles of educational psychology, content and methods, instructional media, and supervised student teaching. The course is so arranged that eight weeks are spent in classwork and eight weeks are spent in student teaching. (Application made through Department of Professional Laboratory Experiences.)

Education 576. Reading in the Secondary School. (2-2-3); I, II, III.

Emphasis is centered around reading instruction in the junior high and high school. Materials are included for instruction and studies of the administrative problems involved.

Education 599. Workshop. (One to three hours); I, II, III.

Prerequisites: Upper division or graduate classification.

A workshop for specifically designated task orientation in education. May be repeated in additional subject areas. A maximum of six semester hours may be earned under this course number. (Formerly 499G)

Education 630. Curriculum Construction. (2-0-2); I, II, III.

A study of basic principles of curriculum development in the local school system. (Formerly 530)

Education 634. Secondary School Curriculum. (3-0-3); I, II, III.

A course designed to acquaint the teacher, supervisor, and administrator with the nature, development, and organization of the secondary school curriculum. (Formerly 534)

Education 670. Research Problems in Secondary Education. (One to three hours); I, II, III.

Prerequisite: Education 600.

An independent research study of a professional problem in secondary education. Conferences with the instructor are by arrangement. (Formerly 570)

Education 671. Seminar-Problems of the Teacher. (1-0-1); I, II, III.

Individual research problems and theses; review of current educational research; significant problems in education especially related to the role of the teacher. Oral reports and group discussion. (Formerly 571)

Education 676. Independent Study in Secondary Education. (One to three hours); I, II, III.

Individual investigation into special areas of secondary education not treated in detail in any course offering. The area to be investigated must be approved by the instructor.

Education 677. Reading in Content Areas. (3-0-3); II, III.

(Alternate summers with Ed 562.)

Prerequisite: An approved course in reading.

The basic reading abilities and study skills needed by elementary and high school students in all types of reading materials. Emphasis is placed on special skills needed for study in science, social studies, mathematics, and literature. (Formerly 577)

Education 681. Seminar-Methods for Secondary Teachers. (1-0-1); I, II, III.

Individual research into modern and innovative teaching techniques; review of current teaching methods; study of significant problems related to innovative approaches concerning the secondary school teacher. Written and oral reports and group discussion.

Education 683. The American Secondary School. (3-0-3); I, II, III.

Traces the development of the American secondary school, identifying historical and philosophical influences upon this development; relates current practices to their historical bases; examines present-day trends and innovations.



UNIVERSITY BRECKINRIDGE SCHOOL

Rondal Hart, M.A., Director

The University Breckinridge School is a state-supported laboratory school operated and controlled by Morehead State University. In fulfilling its responsibilities as a laboratory school, University Breckinridge strives:

1. To provide excellent educational opportunities for the students enrolled.
2. To provide laboratory experiences for University students who are preparing to become teachers.
3. To lead in planning and implementing innovative and exemplary educational programs.

Housed in an air-conditioned facility on campus, the school provides a curriculum from kindergarten through grade twelve.

FACULTY, SCHOOL OF EDUCATION**James H. Powell, Ed.D., Dean****Department of Administration, Supervision
and Higher Education****Charles F. Martin, Ed.D., Head****BACK, REEDUS***Associate Professor*

B.S., Berea College;

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At Morehead since 1962.

BOWEN, RUSSELL JR.*Associate Professor*

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HALL, PALMER*Professor*

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TRIPLETT, NONA BURRESS

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Department of Counseling and Educational Foundations

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PROGRAM IN RECREATION

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B.A., M.S., University of Bridgeport;

B.S., So. Conn. College;

Ph.D., University of Conn.

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Ed. Spec., Southern Illinois University.

At Morehead since 1971.

OSBORNE, FRANCIS*Associate Professor*

B.A., Cornell University;

M.S., Ph.D., Syracuse University.

At Morehead since 1967.

PRUIETT, JAMES S.*Assistant Professor*

B.A., M.A., Sacramento College;

Ph.D., University of Georgia.

At Morehead since 1972.

TAPP, GEORGE S.*Assistant Professor*

A.B., Transylvania University;

M.A., Ph.D., University of Kentucky.

At Morehead since 1968.

Department of Secondary Education
Robert C. Needham, Ed.D., Head

BACK, REEDUS

Associate Professor

B.S., Berea College;

M.S., Ed.D., University of Kentucky.

At Morehead since 1962.

BOWEN, RUSSELL JR.

Associate Professor

B.S., M.A., Morehead State University;

Ed.D., University of Kentucky.

At Morehead since 1969.

FIGA, LESLIE E.

Associate Professor

A.B., Campbell College;

M.A., Ed.D., University of Georgia.

At Morehead since 1972.

GILBERT, HARRY

Assistant Professor

A.B., Transylvania University;

M.A., University of Kentucky.

At Morehead since 1969.

GRIESINGER, LAWRENCE E.

Professor

A.B., M.Ed., University of Kentucky;

Ed.D., University of Cincinnati.

At Morehead since 1965.

KIRK, ELAINE R.

Assistant Professor

B.S., M.Ed., University of Louisville.

At Morehead since 1964.

MILLER, EDWARD J. III

Associate Professor

B.S., M.A., Louisiana Polytechnic Institute;

Ed.D., North Texas State University.

At Morehead since 1970.

MILLER, RODNEY DON

Assistant Professor

A.B., M.A., Morehead State University;

Ed.D., Indiana University.

At Morehead since 1966.

MOORE, BILLY F.

Associate Professor

B.S., Lincoln Memorial;

M.A., Western Kentucky University;

Ph.D., University of Iowa.

At Morehead since 1970.

MURPHY, OTTIS

Associate Professor

A.B., M.A., Morehead State University;

Ed.S., Ed.D., University of Kentucky.

At Morehead since 1968.

NEEDHAM, ROBERT C.

Professor

A.B., Transylvania University;

M.A., Morehead State University;

Ed.D., University of Kentucky.

At Morehead since 1961.

WOTHERSPOON, CLARK D.

Associate Professor

B.S., Texas Wesleyan;

M.A., Texas Christian University;

Ed.D., North Texas State University.

At Morehead since 1966.

University Breckinridge School
Rondal D. Hart, M.A., Director

ANDERSON, ELIZABETH

Assistant Professor

A.B., A.M., Morehead State University.

At Morehead since 1966.

BLAIR, SHIRLEY

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1970.

BRUCE, CHARLES

Instructor

A.B., University of Kentucky;

A.M., Morehead State University.

At Morehead since 1967.

COLLINS, NELL

Assistant Professor

A.B., Morehead State University;

A.M., University of Kentucky.

At Morehead since 1969.

DALES, LARRY

Instructor

A.B., Morehead State University;

A.M., Brigham Young University.

At Morehead since 1967.

DENNIS, DIENZEL

Instructor

B.S., Anderson College;

A.M., Eastern Kentucky University.

At Morehead since 1966.

DENNIS, JOY

Instructor

B.S., Anderson College;

A.M., Morehead State University.

At Morehead since 1966.

DONOVAN, SANDI

Instructor

B.S., M.A., Morehead State University

At Morehead since 1970.

DUNCAN, GRETTA

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1968.

GILLEY, BARBARA

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1970.

GILLUM, CHARLOTTE

Instructor

B.S., A.M., Morehead State University.

At Morehead since 1969.

HALL, OVAL

Assistant Professor

B.S., A.M., University of Kentucky.

At Morehead since 1957.

HAMM, HARLEN

Assistant Professor

A.B., Morehead State University;

A.M., Bowling Green.

At Morehead since 1965.

HAMMONS, KAREN

Assistant Instructor

A.B., University of Kentucky.

At Morehead since 1972.

HARRELL, GLORIA

Instructor

B.A., Kentucky Wesleyan.

At Morehead since 1968.

HART, RONDAL

Assistant Professor

A.B., B.S., A.M., Morehead State University.

At Morehead since 1958.

HOFFMAN, TERRY

Instructor

B.S., M.A., Morehead State University.

At Morehead since 1971.

HOWELL, LOIS

Instructor

B.S., University of Tennessee.

At Morehead since 1971.

HUANG, LOIS

Instructor

B.S., Western Michigan University;

A.M., University of Michigan.

At Morehead since 1969.

JACKSON, BERNICE

Assistant Professor

A.B., A.M., Morehead State University.

At Morehead since 1959.

LeMASTER, OPAL

Assistant Professor

B.S., Concord College;

M.A., Marshall University.

At Morehead since 1965.

MANGRUM, JESSIE

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1968.

MARTIN, HAZEL

Instructor

A.B., Morehead State University;

M.A., Miami University.

At Morehead since 1965.

MONAHAN, ROBERT

Instructor

A.B., Morehead State University;

A.M., Marshall University.

At Morehead since 1970.

MORELLA, WAYNE

Instructor

B.S., M.H.E., Morehead State University.

At Morehead since 1968.

NOLLAU, HAZEL

Assistant Professor

B.S., M.S., University of Kentucky.

At Morehead since 1943.

NORDEN, EUGENE

Instructor

B.A., Western State College-Colorado;

M.M., Morehead State University.

At Morehead since 1968.

REEDER, JAMES

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1968.

SADLER, ELIZABETH

Assistant Professor

A.B., A.M., Western Kentucky University.

At Morehead since 1966.

SAXON, JOYCE

Instructor

B.S., A.M., Morehead State University.

At Morehead since 1964.

SCHIETROMA, ROBERT

Instructor

B.S., Indiana University;

A.M., Morehead State University.

At Morehead since 1966.

THOMAS, DAN

Instructor

A.B., Cumberland College;

A.M., Ohio University.

At Morehead since 1969.

WELLS, SUE

Instructor

A.B., A.M., Morehead State University.

At Morehead since 1968.



SCHOOL OF
Humanities

Johnson E. Duncan, Ph.D., Dean

ART
COMMUNICATIONS
LANGUAGES AND LITERATURE
MUSIC
PHILOSOPHY

The School of Humanities is concerned with the various disciplines related to the arts, the skills of oral and written communication, and the various bodies of ideas as expressed through literature and philosophy. Course offerings are designed to assist all students in the university (1) to develop an understanding and familiarity with the great artists, musicians, writers, and philosophers of the ages, and (2) to increase the effectiveness of their oral and written communication skills in English and other languages.

For those students who have special interests and competencies in those fields, the School of Humanities offers areas of concentration, majors, and/or minors. Each program leads to the baccalaureate degree and, in some cases, the masters degree.

In all areas except Philosophy, Radio-Television, and Journalism, students may select (1) programs which lead to teacher certification degrees or (2) programs which offer preparation for non-teaching professions. In the three areas mentioned above teacher certification is not available. Many students who expect to teach do elect minors in these areas while working for teacher certification through majors in teaching areas; for example, a student may select a major in Speech for teacher certification and a minor in Radio-Television.

Specific descriptions of the various programs and degrees may be found in the department and division sections.

Facilities

The departments and divisions of the school are housed in three buildings on campus. The Art Department occupies the architectural award-winning Claypool-Young Art Building. The Music Department is housed in Baird Music Hall with its annex which also won an architectural award. The Division of Communications, the Division of Languages and Literature, and the Department of Philosophy share the facilities of the Combs Classroom Building.

Laboratories

Because of the special natures of the various disciplines in the School, laboratory facilities and services are especially significant. The Art Department supports a lovely gallery in which student, faculty, and visiting exhibits are constantly on display. Special rooms and facilities are available for the various media such as sculpture, photography, ceramics, etc.

The Division of Communications utilizes a campus radio station, WMKY, a campus television station, several theatres and auditorium, a campus newspaper, *The Trailblazer*, and various audio-visual media, including closed-circuit television.

The Division of Languages and Literature has access to a language laboratory, a dial access system, and a closed-circuit television system.

The Department of Music utilizes two recital and concert halls, a music listening library, a number of rehearsal rooms, studios, and practice rooms, two organs, a large number of pianos and band and orchestra instruments, and both large and small ensembles in every area of performance.

Associate of Arts Degree

For the individual who desires a two-year general program with emphasis in the humanities.

FRESHMAN YEAR*First Semester*

Eng	101	Composition I	3
PE		Activity Course	1
Sci	103	Intro. to Physical Sci.	3
Psy	154	General Psychology	3
		*Electives	5
			15

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci	105	Intro. to Biological Sci.	3
FA	160	Apprec. of the Fine Arts	3
Hlth	150	Personal Health	2
		*Electives	5
			17

SOPHOMORE YEAR*First Semester*

Eng	202	Intro. to Literature	3
Phil	200	Intro. to Philosophy	3
Hist	241	U.S. of Amer., 1492-1865	3
		*Electives	6
			15

Second Semester

Eng		Literature Elective	3
Spch	110	Basic Speech	3
Hist	242	U.S. of Amer. Since 1865	3
PS	141	Government of the U.S.	
		or	
Econ	201	Principles of Economics	3
		*Electives	5
			17
		Minimum for the Degree	66

*Electives to be approved by the adviser and may be selected from two of the following fields: art, drama, English (literature), foreign language, history, music.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the course is normally offered: I—Fall Semester, II—Spring Semester and III—Summer Term.

Fine Arts 160. Appreciation of the Fine Arts. (3-0-3); I, II, III.
To make students aware of the relationship of the common core which permeates all the arts.

Fine Arts 187-588. Opera Workshop. (0-2-1); I, II.

An introduction to the techniques of musical theatre with emphasis placed on the integration of music and action-dramatic study of operatic roles.

Fine Arts 660. Comparative Arts. (3-0-3); on demand.

A study of music, literature, and the visual arts in relation to their social, religious, and historical backgrounds. (Formerly 560)

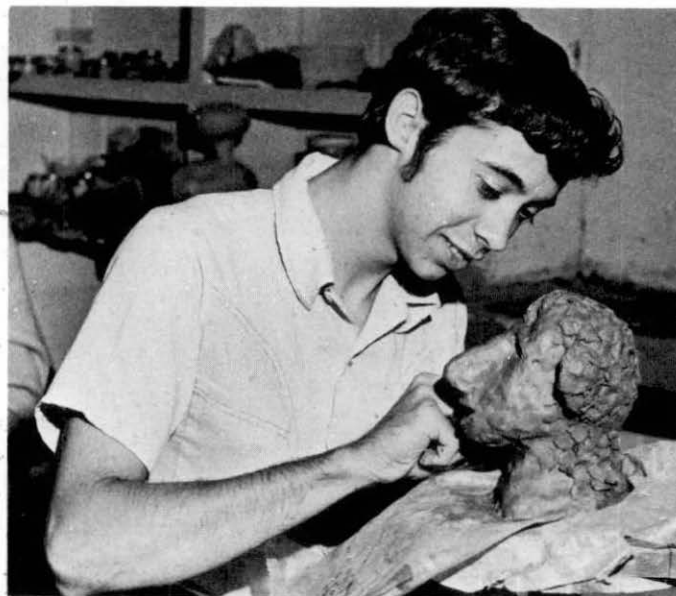
Department of ART

Bill R. Booth, Ph. D., Head

The Art Department offers undergraduate programs in Art Education and Studio Art. Courses on the beginning, intermediate and advanced levels are available in: Art History, Ceramics, Drawing, Oil Painting, Photography, Printmaking, Sculpture and Water Color.

The courses of study combine traditional and contemporary approaches to the discipline of art. In the beginning year the student is involved in an exploration of the fundamentals of the visual arts, taking part in a variety of experiences intended to intensify his abilities of perception and evaluation. He is trained in the basic technical skills which will help him develop his sensitivity to materials and his understanding of organization as it is revealed in significant art forms.

Students are prepared for careers in teaching, business and industry. The programs offer opportunities for artistic expression and personal development. The instruction is personalized in all studio areas, and in all classes the number is kept small enough to provide for individual attention.



REQUIREMENTS

For an Area of Concentration:*

	Sem. Hrs.
Art 101, 103, 202, 204, 213, 216, 245, 251, 263, 264, 282, 291, 294, 300, 313, 316, 321, 364 or 365 or 465, 342 or 345 or 394, 455, 471, plus ten hours of elective credit in Art	54

For a Major:*

Art 101, 103, 202, 204, 213, 216, 300, 241 or 245, 251, 263 or 264, 365 or 465, 291, 294, 321, 471, plus four hours of elective credit in Art	35
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For a Minor:*

Art 101, 103, 213, 216, 300, 241 or 245, 263 or 264 or 365 or 465, 291, 294, 321, plus four hours elective credit in Art	25
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*Students wishing to have this certificate validated for service in the elementary grades must include Education 333, Fundamentals of Elementary Education, in their programs.

SUGGESTED PROGRAMS

The following program for freshman and sophomore years has been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester. However, close adherence to them will aid the student in meeting all requirements prior to the time a check sheet is completed.

Provisional High School Certificate with an Area of Concentration in Art

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci	103	Intro. to Physical Sci.	3
Art	101	Drawing I	2
Art	264	History of Painting	3
Hlth	150	Personal Health	2
		Elective	2
			16

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci	105	Intro. to Biological Sci.	3
Art	103	Drawing II	2
Art	263	Hist. of Arch. and Sculp.	3
Art	291	Color and Design	2
Ed	100	Orientation in Education	1
Ed	100	Elective	2
			17

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
Psy	154	General Psychology	3
		Sci. or Math Elective	3
Art	202	Comp. and Draw I	2
Art	204	Figure Drawing	2
		Elective	2
			15

Second Semester

		Social Science Elective	3
Ed	210	Human Gr. & Development I	3
Art	213	Oil Painting I	2
Art	216	Water Color I	2
Art	251	Printmaking I	2
Art	294	Sculpture I	2
		Elective	2
			16

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Art 101. Drawing I. (2-2-2); I, II, III.

Introduction to objective and subjective drawing using various graphic media.

Art 103. Drawing II. (2-2-2); I, II, III.

Prerequisite: Art 101.

A continuation of Art 101.

Art 121. School Art I. (2-0-2); I, II, III.

Introduction to Art and to the teaching of Art in the lower (1-3) elementary grades.

Art 202. Composition and Drawing. (2-2-2); I, II, III.

Prerequisites: Art 101 and 103.

A continuation of objective and subjective drawing with emphasis on composition.

Art 204. Figure Drawing I. (2-2-2); I, II.

Prerequisite: Art 101.

An introduction to the human figure as an expressive form; composition, gesture, proportion and anatomical observations.

Art 213. Oil Painting I. (2-2-2); I, II, III.

Prerequisite: Art 101, 103, 291.

An introduction to oil painting, materials and methods, arrangement of the palette; and the use of a variety of different subjects.

Art 216. Water Color I. (2-2-2); I, II, III.

Prerequisites: Art 101, 103 and 291.

Methods and materials; arrangement of palette; composing and painting, still life, figure, and abstracts.

Art 221. School Art II. (2-0-2); I, II, III.

The philosophy and methods of teaching art to children in the elementary grades; a study of materials, media, and tools.

Art 241. Crafts I. (2-2-2); I, II, III.

Creative and technical processes of weaving, fabric design, metal, and jewelry making.

Art 245. Ceramics I. (2-2-2); I, II, III.

Introduction to ceramic forms in hand-building, wheel-throwing, glazing, and decorative techniques.

Art 251. Printmaking I. (2-2-2); I, II.

Prerequisites: Art 101 and 103.

Creative experiments with the printing processes of silkscreen, etching, drypoint, aquatint, collography, monoprint, wood-block, and lithography.

Art 263. History of Architecture and Sculpture. (3-0-3); I, II.

A historical survey of architecture and sculpture and a study of influences that produced them.

Art 264. History of Painting. (3-0-3); I, II.

Paintings are studied in their respective periods and schools and comparative studies of paintings of different periods are made.

Art 283. Photographic Design I. (2-2-2); I, II, III.

Experimental and standard photographic processes and techniques are approached with an aesthetic view of the medium.

Art 291. Color and Design. (2-2-2); I, II, III.

A study in two and three dimensional designs with emphasis on perception and the fundamentals of visual organization.

Art 294. Sculpture I. (2-2-2); I, II, III.

Creative experiences in the techniques, media, and tools of sculpture, work in stone, wood, metal, clay, and plaster.

Art 300. Elementary Materials and Methods. (2-0-2); I, II.

Prerequisite: Acceptance into the Teacher Education Program. Presentation of the background and philosophy of elementary art in education.

Art 304. Figure Drawing II. (2-2-2); I, II.

Prerequisite: Art 204.

A serious search into the expressive possibilities of the figure; anatomical investigation of parts, variety of media and techniques leading to individual interpretation.

Art 313. Oil Painting II. (2-2-2); I, II, III.

Prerequisite: Art 101, 103 and 291.

Painting from still life and landscape with emphasis on creative interpretation and expression.

Art 316. Water Color II. (2-2-2); I, II, III.

Prerequisite: Art 216.

Water Color is used as a medium for visual interpretations of various subjects. Studio and field work are included.

Art 321. Materials and Methods for Secondary Art. (2-0-2); I, II.

Prerequisite: Acceptance into the Teacher Education Program. Presentation of the background, philosophy, and techniques for the teaching of art in the secondary school.

Art 342. Crafts II. (2-2-2); I, II, III.

Prerequisite: Art 241.

Advanced experimentations with techniques of weaving, fabric design, metal and jewelry making.

Art 345. Ceramics II. (2-2-2); I, II, III.

Prerequisite: Art 245.

Individual work in wheel-throwing, hand building, operation of kilns and basic experiments in glazing.

Art 351. Printmaking II. (2-2-2); I, II.

Prerequisite: Art 251.

An intensified investigation of the printing technique, both relief, intaglio, and planographic, studied in Printmaking I.

Art 383. Photographic Design II. (2-2-2); I, II, III.

Prerequisite: Art 283.

Advanced work in the use of photographic design concepts and techniques.

Art 394. Sculpture II. (2-2-2); I, II, III.

Prerequisite: Art 294.

Studio problems involving the manipulation of various sculpture media.

Art 465. Modern and Contemporary Art. (3-0-3); I, II, III.

A survey of painting; architecture and sculpture, dealing with Neo-Classicism, Romanticism, Realism, and contemporary art. (Formerly 565)

Art 502. Advanced Composition and Drawing. (2-2-2); I, II, III.

Prerequisite: Permission of the department.

Advanced studio work in drawing with an emphasis on composition. (Formerly 402G)

Art 513. Oil Painting III. (2-2-2); I, II, III.

Prerequisites: Art 213 and 313.

Experiences leading toward individual achievements in styles and techniques. (Formerly 413G)

Art 516. Water Color III. (2-2-2); I, II, III.

Prerequisites: Art 216 and 316.

Experiences leading toward individual interpretation. (Formerly 416G)

Art 521. Art Workshop. (3-3-3); (Taught during intersession).

Participation in art activities according to individual needs. (Formerly 421G)

Art 537. Jewelry and Metal Work. (2-2-2); I, II, III.

Prerequisite: Permission of the department.

Advanced techniques in the design and production of jewelry and household objects in precious metals. (Formerly 437G)

Art 545. Independent Studio. (Two to four hours); I, II, III.

Prerequisite: Permission of the department.

Independent studio for advanced students in studio art. (Formerly 445G)

Art 551. Printmaking III. (2-2-2); I, II, III.

Prerequisite: Art 351.

Advanced studio in printmaking. Emphasis is given to the processes of etching and engraving. (Formerly 451G)

Art 555. Advanced Art Problems. (2-2-2); I, II, III.

Prerequisite: Permission of the department.

A studio course involving research in an art area of the student's choice. (Formerly 455G)

Art 565. Arts of the United States. (3-0-3); I, II, III.

Prerequisite: Permission of the department.

An in-depth study of the social, political, and cultural movements which affected the course of American artistic development.

Art 571. Seminar. (1-0-1); I, II.

Prerequisite: Permission of the department.

(Formerly 471G)

Art 583. Photographic Design III. (2-2-2); I, II, III.

Prerequisites: Art 383 and permission of the department.

Individual problems in photographic design. (Formerly 483G)

Art 594. Sculpture III. (2-2-2); I, II, III.

Prerequisites: Art 294 and 394.

Advanced problems in sculpture involving a combination of materials and their uniqueness as media. (Formerly 494G)

Art 603. Drawing (3-3-3); by arrangement.

Prerequisites: Art 304 and permission of the department.

An advanced approach to drawing with extensive use of various materials and techniques. (Formerly 503)

Art 604. Advanced Figure Drawing. (3-3-3); I, II, III.

Prerequisite: Permission of the department.

A course designed to acquaint the student with advanced problems in figure drawing and anatomy. (Formerly 504)

Art 605. Figure Painting. (2-2-2); by arrangement.

Prerequisites: Art 304 and permission of the department.

Use of oil paint on large canvases. Both male and female models used. (Formerly 505)

Art 606. Portrait Painting. (3-3-3); on demand.

Prerequisite: Permission of the department.

A study of the techniques involved in painting the portrait. Emphasis is given to anatomy, color, and techniques of developing a proficiency in rendering the human figure. (Formerly 506)

Art 613. Painting. (2-2-2); by arrangement.

Prerequisites: Art 213, 313 and permission of the department.

For art majors and area students who wish to do graduate work on techniques in art. (Formerly 513)

Art 616. Water Color. (2-2-2); by arrangement.

Prerequisite: Art 316.

Research and experimentation in the techniques of various types of water color and water color materials. (Formerly 516)

Art 627. Reading in Art Education. (2-0-2); I, II, III.

Prerequisite: Permission of the department.

Subjects related to current research in art education will be given primary consideration. Other related educational research will be given secondary consideration. (Formerly 527)

Art 651. Printmaking IV. (3-3-3); I, II.

Prerequisite: Permission of the department.

Special problems in various printmaking techniques with individual problems designed to meet the specific needs of each graduate printmaking student. (Formerly 551)

Art 655. Advanced Ceramics. (3-3-3); I, II, III.

Prerequisite: Permission of the department.

Advanced study of ceramic glazes, kiln firing procedures, kiln construction, and experimental treatment of clay bodies. (Formerly 555)

Art 670. Directed Graduate Studies. (3-3-3); I, II, III.

Prerequisite: Permission of the department.

A course designed to allow for independent directed projects tailored to fit the individual needs of each graduate student. (Formerly 570)

Art 671. Seminar. (2-0-2); I, II, III.

Prerequisite: Permission of the department.

A course designed to familiarize students with various methods of art criticism. A discussion course in which each student is required to participate. (Formerly 571)

Art 676. Individual Problems. (3-3-3); by arrangement.

Prerequisite: Permission of the department.

Investigation of special problems which are not included as a regular part of the curriculum. (Formerly 576)

Art 680. History and Philosophy of Art Education in the U.S. (3-0-3); I, II, III.

Prerequisite: Permission of the department.

A survey of the major philosophical movements and how they relate to the changing emphasis given to art education in America. (Formerly 580)

Art 692. Sculpture: Metal Casting. (3-3-3); I, II, III.

Prerequisite: Permission of the department.

Exploration of techniques in metal casting. A study of foundry construction, operation, and maintenance. (Formerly 592)

Art 694. Sculpture. (3-3-3); by arrangement.

Prerequisite: Art 594, or permission of the department.

An advanced approach to sculpture with extensive use of various materials and techniques. (Formerly 594)

Art 699. Thesis. (One to six hours); on demand.

Prerequisite: Permission of the department.

(Formerly 599)



Division of COMMUNICATIONS

Jack E. Wilson, Ph.D., Chairman

The Division of Communications prepares students for professional, business, and educational careers in Speech, Theatre, Radio-Television, and Journalism. Recognition of the literary, artistic and psychological elements of these studies enhances the student's appreciation of man's expressive achievements.

Area of Concentration in Communications

General Requirements

	Sem. Hrs.
Journalism 101, 201	6
Speech 110, 200 or 382 or 383	6
Radio-Television 150, 250	7
Theatre 100, 200	6
Electives (outside area of specialization but within communications)	9
	34

Specific Requirements—Emphasis in Speech

Speech 200, 385, 520, 495	11
Electives in Speech	9

Specific Requirements—Emphasis in Radio-Television (non-teaching)

Radio-Television 155, 340, 344 or 353, 559	13
Electives in Radio-Television	10

Specific Requirements—Emphasis in Theatre

Theatre 200, 210, 284, 380	12
Electives in Theatre	11

Specific Requirements—Emphasis in Journalism

Journalism 204, 370, 385, 365 or 383 or 364, 330 or 301	12
Electives in Journalism	11

JOURNALISM

Requirements

For a Major:

Journalism 101, 201, 204, 330, 365, 370, 385 or 386, Rad 150	21
Approved electives with at least six hours in Journalism courses	9
	30

For a Minor:

Journalism 101, 201, 204, 370 and 385	12
To be selected from courses in the 300 series	9
	21

For the Associate of Applied Arts: (Journalism)

Journalism 101, 201, 204, 365, 383, 385	17
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SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses during their first two years of study. These suggested schedules need not be followed specifically, but substitutions should be made only after careful study of degree requirements has been made.

Bachelor of Arts with a Major in Journalism

FRESHMAN YEAR

First Semester

Jour	101	Intro. to Mass Communications	3
Rad	150	Introduction to Broadcasting	3
Eng	101	Composition I	3
Spch	150	Basic Speech	3
BE	211	Beginning Typewriting*	2
PE		Activity Course	1
			15

Second Semester

Jour	201	News Writing and Reporting	3
Eng	102	Composition II	3
FA	160	Appreciation of Fine Arts	3
		Social Sciences Elective	3
Rad	155	Broadcast Performance	3
PE		Activity Course	1
			16

SOPHOMORE YEAR

First Semester

Jour	204	Copy Reading and Editing	3
Eng	202	Literature	3
Jour	370	Practicum I	1
Sci		Science elective	3
Jour	205	Typography and Design	2
		Electives	5
			17

Second Semester

Jour	371	Practicum II	1
Jour	385	Pictorial Reporting*	2
		Social Sciences elective	3
Jour	383	Advertising	3
Geog	211	Economic Geography	3
		Electives	5
			17

*Or Jour 386 if proficiency is shown in photography.

DESCRIPTION OF COURSES

NOTE: (2-1-2) following course title means 2 hours class, 1 hour laboratory, 2 hours credit. Roman numerals I, II, III following the credit allowance indicate the semester in which the course is normally scheduled: I—Fall Semester; II—Spring Semester and III—Summer Term.

Journalism 101. Introduction to Mass Communications. (3-0-3); I.

Survey of history, functions, career openings and inter-relationship of newspapers, radio, television, other media and attendant agencies.

Journalism 201. News Writing and Reporting. (3-0-3); I, II, III.
Gathering news from sources on and off campus; organizing and writing basic types of news items, some for campus newspaper.

Journalism 204. Copy Reading and Editing. (3-0-3); II.

Prerequisite: Journalism 201.

Copy correcting (using some "live" wire-copy news), proof-reading, headline writing, editing, and executing page layouts.

Journalism 205. Typography and Design. (2-0-2); II.

A study of graphic communication including both theory and practice.

Journalism 301. Advanced News Writing and Reporting. (3-0-3); I, II.

Basic reporting plus in-depth, interpretative writing based on personal investigation, including sports, social news, criticism.

Journalism 305. Newspaper Design. (2-0-2); I.

Prerequisite: Journalism 204.

A study of the elements of newspaper design, including the use of color and design innovations.

Journalism 330. History of Journalism. (3-0-3); I, II.

Origins and development of American journalism as a profession, mainly through newspapers and their roles in history.

Journalism 364. Feature Writing. (3-0-3); I.

The researching, organizing, and composing of non-fiction articles, including feature items.

Journalism 365. Editorial Writing. (3-0-3); I.

A study of the purposes and methods of editorial writing, including ethics and values.

Journalism 370. Journalism Practicum I. (0-2-1); I, II, III.

Prerequisite: Journalism 201.

Practical experience in journalism methods through staff work in campus media under supervision.

Journalism 371. Journalism Practicum II. (0-2-1); I, II, III.

Prerequisite: Journalism 370.

A continuation of Journalism 370.

Journalism 372. Journalism Practicum III. (0-2-1); I, II, III.

Prerequisite: Journalism 371.

A continuation of Journalism 371.

Journalism 373. Journalism Practicum IV. (0-2-1); I, II, III.

Prerequisite: Journalism 372.

A continuation of Journalism 372.

Journalism 374. Journalism Practicum V. (0-2-1); I, II, III.

Prerequisite: Journalism 373.

A continuation of Journalism 373.

Journalism 382. Public Relations. (2-0-2); I, II.

A study of purposes, methods, and responsibilities in the profession of public relations.

Journalism 383. Advertising. (3-0-3); II.

A study of advertising principles and practices.

Journalism 385. Pictorial Reporting. (2-1-2); I, II.

Lecture and laboratory introduction to camera use, darkroom operation, photo layout and practice in reporting news pictorially.

Journalism 386. Photo Essay and Editing. (2-0-2); I.

Prerequisite: Journalism 385 or photography proficiency.

An emphasis upon photographic composition and selection of pictures for various kinds of publication.

Journalism 504. School Publications. (3-0-3); II.

Prerequisite: Six hours of Journalism (including Journalism 201) or by permission.

Advisement of students in the production of school newspapers, yearbooks, and magazines; includes a complete review of journalism principles.

Journalism 505. Law and Ethics. (3-0-3); II.

Prerequisite: Six hours of advanced Journalism credit.

An examination of law as it affects publications.

Journalism 565. Public Opinion and News Media. (2-0-2); I.

A study of the cultural, social, and psychological nature of public opinion and its influence on press, television, radio, and film; the nature of propaganda in advertising.

Journalism 570. Journalism Internship. (3-0-3); III.

Prerequisite: Approval by faculty.

Supervised internship for advanced students on staff of newspaper, radio, TV station, advertising-public relations agency, or national wire service office.

RADIO-TELEVISION**REQUIREMENTS****For a Major (Non-Teaching):**

	Sem. Hrs.
Radio-TV 150, 155, 240, 250, 340 and 559	20
To be selected with the approval of the faculty	10
	30

For a Minor (Non-Teaching):

Radio-TV 150, 155 and 240	9
To be selected with the approval of the faculty	12
	21

SUGGESTED PROGRAM**Associate of Applied Arts****Radio and Television Broadcasting****FRESHMAN YEAR***First Semester*

Eng	101	Composition I	3
Sci	103	Intro. to Physical Sci.	3
Soc	101	General Sociology	3
Rad	150	Intro. to Broadcasting	3
Rad	155	Broadcast Performance	3
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
Psy	154	General Psychology	3
Rad	240	Radio-TV Continuity Writing	3
Rad	250	Audio Production and Direction	4
PE		Activity Course	1
		Elective	2
			16

SOPHOMORE YEAR*First Semester*

Soc	203	Contemporary Social Prob.	3
Mus	161	Literature of Music I	2
Rad	340	Video Production and Direction	4
Rad	341	Audio-Video Practicum I	1
Rad	344	Broadcast News & Public Affairs	3
Rad	353	R-TV Program Planning	3
			16

Second Semester

Jour	383	Advertising	3
Mus	162	Literature of Music II	2
Rad	342	Audio-Video Practicum II	1
Rad	454	TV Production Arts	3
Rad	457	Broadcasting & Society	
		or	
Rad	558	Public Broadcasting	3
Rad	559	Law, Ethics, and Broadcasting	3
			15

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Radio-TV 150. Introduction to Broadcasting. (3-0-3); I, fl.

A history of broadcasting plus a basic familiarization with broadcast terminology, programming concepts, and equipment utilization. (Required for all radio-television majors and minors.)

Radio-TV 155. Broadcast Performance. (3-2-3); I, II.

The fundamentals of broadcast announcing with special emphasis on vocal communication skills of enunciation, pronunciation, inflection and pacing.

Radio-TV 240. Radio-TV Continuity Writing. (3-0-3); I, II.

Prerequisite: R-TV 150.

The techniques used in writing commercials and programs for radio and television. Special emphasis is placed on storyboards and advertising presentation.

Radio-TV 250. Audio Production and Direction. (3-2-4); I, II.

Prerequisite: Radio-TV 150.

Basic and advanced work in all areas of audio production, including radio, television, audio, and film audio.

Radio-TV 283. Photographic Design I. (2-2-2); I, II, III.

Experimental and standard photographic processes and techniques are approached with an aesthetic view of the medium.

Radio-TV 340. Video Production and Direction. (3-2-4); I, II.

Prerequisite: R-TV 250.

Students produce and direct various types of television programs; study visual communication in both the television and telecinematic media. Production and direction of numerous program types.

Radio-TV 341. Audio-Video Practicum I. (1-0-1); I, II.

Prerequisites: R-TV 250 and 340.

Contact with specific problems in broadcasting. The student designs, proposes, and completes an individual project related directly to the telecommunications media.

Radio-TV 342. Audio-Video Practicum II. (1-0-1); I, II.

Prerequisite: Radio-TV 341.

A continuation of Radio-TV 341.

Radio-TV 343. Audio-Video Practicum III. (1-0-1); I, II.

Prerequisite: R-TV 342.

A continuation of R-TV 342.

Radio-TV 344. Broadcast News and Public Affairs. (3-0-3); I.

Prerequisite: 9 hours of undergraduate Radio-TV or consent of the faculty.

Theory and practice of news and public affairs writing and reporting as it applies to the broadcast media.

Radio-TV 353. Radio and TV Program Planning. (3-0-3); II.

Prerequisite: R-TV 250.

The administrative functions of program departments in radio and television. Analysis of purpose and basic idea of programs in relation to audience composition.

Radio-TV 357. Sportscasting I. (2-0-2); I.

The basic philosophy and ethical considerations in developing style in delivery and presentation. Application of principles in play-by-play of seasonal sports.

Radio-TV 358. Sportscasting II. (2-0-2); II.

Prerequisite: R-TV 357.

Analysis and evaluation of style with further practical application of principles. The sports show, the sports editorial and the sports documentary are included.

Radio-TV 383. Photographic Design II. (2-2-2); I, II, III.

Prerequisite: R-TV 283.

Advanced work in the use of photographic design concepts and techniques.

Radio-TV 457. Broadcasting and Society. (3-0-3); II.

The effect of the broadcast media on society and society's effect on the media. The relationship between ratings and programming. Individual reading and research.

Radio-TV 554. Television Production Arts. (2-2-3); I.

Prerequisite: R-TV 340.

Advanced course in television production to give students opportunity for planning, developing and directing programs. Special cinematography skills will be learned under broadcast conditions. (Formerly 454G)

Radio-TV 558. Public Broadcasting. (3-0-3); II.

Prerequisite: Junior standing and consent of the faculty.

A study of the development of public broadcasting from both theoretical and operational standpoints. (Formerly 458G)

Radio-TV 559. Law, Ethics, and Broadcasting. (3-0-3); I.

A study of the legal and ethical aspects of broadcasting through precedent and current cases before Federal Communications Commission and courts. (Formerly 459G)

Radio-TV 583. Photographic Design III. (2-2-2); I, II, III.

Prerequisite: R-TV 383.

Individual problems in photographic design.

**SPEECH AND THEATRE****REQUIREMENTS****For a Major in Speech and Theatre (Teaching):**

Sem. Hrs.

Speech 100, 110, 382 or 383	9
Radio-TV 150	3
Theatre 100, 200, 210, 284, and 380	15
Electives in speech and theatre to be approved by the division	9
	36

For a Major in Speech and Theatre (Non-Teaching):

Speech 110, and 382 or 383	6
Radio-TV 150	3
Theatre 100, and 200	6
To be selected with the approval of the division	15
	30

For a Major in Speech:

Speech 100, 110, 200, 382 or 383, and 385	15
To be selected with the approval of the division	15
(Nine hours of the elective credit may be selected from related areas within the Division of Communications)	
	30

For a Minor in Speech:

Speech 100, 110, 200, and 382 or 383	12
Electives in speech approved by the division	9
	21

For a Minor in Theatre:

Theatre 100, 200, 210, and 284	12
Electives in theatre approved by the division	9
	21

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules during the freshman and sophomore years. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements.

Provisional High School Certificate with a Major in Speech and Theatre**FRESHMAN YEAR***First Semester*

Eng	101	Composition I	3
Ed	100	Orientation in Education	1
Sci	103	Intro. to Physical Sci.	3
PE		Activity Course	1
Psy	154	General Psychology	3
Thea	100	Fundamentals of the Theatre	3
		Elective	2
			16

Second Semester

Eng	102	Composition II	3
Hlth	150	Personal Health	2
Sci	105	Intro. to Biological Sci.	3
PE		Activity Course	1
Spch	100	Voice and Articulation	3
Thea	210	Technical Production	3
		Elective	2
			17

SOPHOMORE YEAR*First Semester*

Eng	202	Intro. to Literature	3
Thea	200	Intro. to Dramatic Lit.	3
Thea	284	Acting Techniques	3
Spch	110	Basic Speech	3
		Social Sciences Elective	3
		Speech or Drama Activity	1
			16

Second Semester

Ed	210	Human Growth & Devel. I	3
Spch	200	Oral Interpretation	3
Rad	150	Intro. to Broadcasting	3
		Approved Minor Elective	3
		Humanities Elective	3
		Speech or Drama Activity	1
			16

Provisional High School Certificate with a Major in Speech**FRESHMAN YEAR***First Semester*

Eng	101	Composition I	3
Ed	100	Orientation in Education	1
Sci	103	Intro. to Physical Sci.	3
PE		Activity Course	1
Spch	100	Voice and Articulation	3
Psy	154	General Psychology	3
		Elective	2
			16

Second Semester

Eng	102	Composition II	3
HLth	150	Personal Health	2
Sci	105	Intro. to Biological Sci.	3
PE		Activity Course	1
Spch	110	Basic Speech	3
		Social Sciences Elective	3
		Elective	2
			17

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
Spch	200	Oral Interpretation	3
		Humanities Elective	3
		Approved Minor Elective	3
		Social Sciences Elective	3
		Elective	2
			17

Second Semester

Ed	210	Human Growth & Devel. I	3
		Humanities Elective	3
		Science or Math Elective	3
		Speech Elective	3
		Approved Minor Elective	3
		Elective	2
			17

Bachelor of Arts with a Major in Speech

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Sci	103	Intro. to Physical Sci.	3
PE		Activity Course	1
Psy	154	General Psychology	3
		Electives	5
			15

Second Semester

Eng	102	Composition II	3
Sci	105	Intro. to Biological Sci.	3
PE		Activity Course	1
Spch	100	Voice and Articulation	3
		Electives	5
			15

SOPHOMORE YEAR

First Semester

Thea	100	Fundamentals of the Theatre	3
HLth	150	Personal Health	2
Spch	110	Basic Speech	3
		Social Sciences Elective	3
		Approved Minor Elective	3
		Elective	3
			17

Second Semester

Spch	200	Oral Interpretation	3
		Speech or Comm. Elective	3
		Social Sciences Elective	3
Math	152	College Algebra	3
		Electives	5

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term the course is normally offered: I—fall, II—spring, and III—summer.

SPEECH

Speech 100. Voice and Articulation. (3-0-3); I, II.

Essentials of distinct utterance, phonetic transcription, and use of the vocal mechanism.

Speech 110. Basic Speech. (3-0-3); I, II, III.

Development of proficiency in the use of oral language.

Speech 200. Oral Interpretation. (3-0-3); I, II.

Study of communicating the meanings of prose and poetry through the use of body, voice, thought, and emotion.

Speech 300. Oral Communications. (3-0-3); I, II, III.

Development of appropriate classroom voice through study, exercise, and practice in reading, describing and motivating. Designed for elementary majors.

Speech 305. Advanced Oral Interpretation. (3-0-3); II.

Prerequisite: Speech 200.

Refinement of technique in interpreting literature with project method in the format of the course.

Speech 320. Introduction to Corrective Speech. (3-0-3); I, II.

Introductory course in speech correction for the classroom teacher.

Speech 370. Business and Professional Speech. (3-0-3); I, II, III.

Study and practice in techniques of committee work, conference, interview and other speech forms required in business and the professions.

Speech 382. Argumentation and Debate. (3-0-3); I.

Instruction in making rational decisions through the debate process entailing analysis, evidence, briefing, and refutation.

Speech 382A. Debate Practicum I. (2-2-1); I, II.

Activity and research for students involved in intercollegiate debate.

Speech 382B. Debate Practicum II. (2-2-1); I, II.

Continuation of Speech 382A.

Speech 382C. Debate Practicum III. (2-2-1); I, II.

Continuation of Speech 382B.

Speech 383. Group Discussion. (3-0-3); II.

Analysis of the roles of participants and leaders with experience in conducting formal and informal groups.

Speech 385. Persuasion. (3-0-3); I, III.

Study of the nature and methods of persuasion for influencing group opinion and action. Recommended for business majors.

Speech 386. Speech Practicum I. (2-0-2); I, II.

Prerequisites: Speech 100 and 110 and approval of the Division.

Provides independent guided study for the development of specialization in specific areas of speech.

Speech 387. Speech Practicum II. (2-0-2); I, II.

Prerequisites: Speech 386 and approval of the Division.

Continuation of Speech 386.

Speech 388. Speech Practicum III. (2-0-2); I, II.

Prerequisites: Speech 387 and approval of the Division.

Continuation of Speech 387.

Speech 471. Speech-Dramatic Arts Seminar. (1-0-1); I, II.

Study of resources and research techniques in Speech and Dramatic Arts.

Speech 495. Teaching Speech and Dramatic Arts. (2-0-2); I.
Survey of materials and methods in teaching the areas of Speech and Dramatic Arts with instruction in planning and directing extracurricular activities.

Speech 520. Survey of Rhetorical Theory. (3-0-3); II.
Introduction to basic concepts of rhetorical criticism from the ancient Greeks to the present. (Formerly 420G)

Speech 525. Survey of British and American Public Address. (3-0-3); II.
Study of significant British and American speakers and speeches from the eighteenth century to the present. (Formerly 425G)

THEATRE

Theatre 100. Fundamentals of the Theatre. (3-0-3); I, II.
An introduction to the theatre as an art form, its historic and organizational structure. For theatre majors and minors only.

Theatre 130. Summer Theatre I. (Three to six hours); III.
Prerequisite: Acceptance to summer theatre or by permission. Practical experience in production with work in laboratory environment.

Theatre 200. Introduction to Dramatic Literature. (3-0-3); I, II.
A study of representative dramatic literature from Greek antiquity to the present.

Theatre 210. Technical Production. (3-0-3); I, II.
A study of the technical elements in theatrical production: set construction, lighting and sound.

Theatre 284. Acting Techniques. (3-0-3); I.
Prerequisite: Theatre 100.
A study of acting from both the aesthetic and the practical viewpoints; exercises in pantomime and vocal techniques.

Theatre 300. Elements of Play Production. (3-0-3); I.
Problems of play production: choice of script, casting, production and backstage organization, and directing. For the non-major who will be involved in producing plays.

Theatre 311. Theatre Practicum I. (2-0-2); I, II, III.
Prerequisites: Theatre 100 and approval of Division.
To provide independent guided study for the development of specialization in specific areas of theatre.

Theatre 312. Theatre Practicum II. (2-0-2); I, II, III.
Prerequisite: Theatre 311.
A continuation of Dramatic Arts 311.

Theatre 313. Theatre Practicum III. (2-0-2); I, II, III.
Prerequisite: Theatre 312.
A continuation of Dramatic Arts 312.

Theatre 321. Stage Lighting. (3-0-3); I.
Prerequisite: Theatre 210.
The mechanical and artistic approach to stage lighting; study of electrical theory and instrument utilization.

Theatre 322. Scene Design. (3-0-3); II.
Prerequisite: Theatre 210.
Creation of set designs with emphasis on drawing and rendering techniques.

Theatre 325. Costuming. (3-1-3); I.
A study of the history of costuming and application of design techniques.

Theatre 330. Summer Theatre II. (Three to six hours); III.
Prerequisite: Theatre 130 and acceptance to summer theatre company. Crew assignments in areas other than those completed in 130.

Theatre 375. Creative Dramatics. (3-0-3); II, III.
An analysis and application of principles of creative dramatics as applied to classroom teaching recreation activities.

Theatre 380. Play Directing. (3-0-3); I.

Prerequisite: Theatre 210.

Theories and principles of directing; director's interpretation; casting; planning action and making the prompt-book.

Theatre 530. Summer Theatre III. (Three to six hours); III.

Prerequisite: Theatre 330 and acceptance to summer theatre company. Advanced assignments in set and costume design or advanced acting and directing.

Theatre 552. Early Dramatic Literature. (3-0-3); I.

A detailed study of representative plays from the great periods of dramatic literature from the Greeks to mid-nineteenth century.

Theatre 553. Modern Drama. (3-0-3); II.

A detailed study of the drama from the growth of realism to the present day.

Theatre 554. Theatre History. (3-0-3); II.

Prerequisite: Theatre 200.

A study of the origins and development of theatre.

Theatre 570. Children's Theatre. (3-0-3); II.

Prerequisite: Theatre 100.

A concentrated study of the problems involved in organization and production of plays for and with children. (Formerly 370)



Division of LANGUAGES AND LITERATURE

Robert A. Charles, Ph. D., Chairman

The Division of Languages and Literature teaches six languages and their literatures: English, French, German, Latin, Russian, and Spanish. Students are provided with the tools for cross-cultural communication and with the insights and understandings that a sympathetic reading of literature brings.

ENGLISH

The English curriculum has a two-fold purpose. It seeks to make a contribution to the general education of all students by providing them with the study of writing so that they may use their language as effectively and precisely as possible and by introducing them to the sympathetic understanding of literature so that their personal lives will be enriched by literary art. It prepares students for such vocations as teaching, publishing, business, public relations, and for further professional studies.

REQUIREMENTS

(In addition to the requirements listed, a minimum of one year of a foreign language is required of students completing an area or major in English. Two years of a foreign language are recommended.)

For an Area of Concentration: (Composition and Literature Emphasis)

	Sem. Hrs.
English 101, 102, 315 or 393, 331, 332, 341, 342, 405, and 435	27
Advanced Electives	15
Speech 100 or 110 and 200	6
Theatre elective	3
Journalism 201	3
	54

For an Area of Concentration: (Literature and Linguistics Emphasis)

	Sem. Hrs.
English 101, 102, 315, 331 or 341, 332, 342, 393 or 401, 405, 416, 417, 435 and 495	36
Advanced electives	6
Speech 100 or 110 and 200	6
Theatre Elective	3
Journalism 201	3
	54

For a Major: (Literature Emphasis: Teaching Major)

	Sem. Hrs.
English 101, 102, 331, 332, 342, 435, 315 or 393, and 405	27
Advanced Electives	9
	36

For a Major: (Linguistics Emphasis: Teaching Major)

	Sem. Hrs.
English 101, 102, 315, 331, 332, 342, 393, 401 or 416, 405, 417, 435 and 495	36

For a Major: (Non-teaching)

	Sem. Hrs.
English 101, 102	6
English Literature—three hours to be from 400 level courses	9
American Literature—three hours to be from 400-level courses	9
Advanced electives	9
Linguistics	3
	36

For a Minor:

	Sem. Hrs.
English 101, 102, 331, 332, 342, and 405	18
Advanced Electives	9
	27

For the Master of Arts degree:

Students interested in doing graduate work in English should consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules during the freshman and sophomore years. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

Provisional High School Certificate with an Area of Concentration in English (Composition and Literature Emphasis)

(Asterisks indicate substitution for Linguistics Emphasis)

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci	103	Intro. to Physical Sci.	3
		Social Sciences Elective	3
		Foreign Language	3
Hlth	150	Personal Health	2
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci	105	Intro. to Biological Sci.	3
Psy	154	General Psychology	3
		Foreign Language	3
Ed	100	Orientation in Education	1
		Elective	2
			16

SOPHOMORE YEAR

First Semester

Eng	331	Eng. Literature to 1750	3
Spch	100	Voice and Articulation	
		or	
Spch	110	Basic Speech	3
Ed	210	Human Gr. and Develop. I	3
		Social Sciences Elective	3
		Foreign language	3
		Electives	2
			17

Second Semester

Eng	332	Eng. Literature since 1750	3
*Eng	341	Amer. Writers Before 1850	3
Spch	200	Oral Interpretation	3
Jour	201	News Writ. & Reporting	3
		Foreign Language	3
		Electives	2
			17

*Eng 315—Structure of English

**Provisional High School Certificate with a Major in English
(Literature Emphasis)**

(The variations for the Linguistics Emphasis are indicated by asterisks)

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci	103	Intro. To Physical Science	3
		Social Sciences Elective	3
		Foreign Language	3
Hlth	150	Personal Health	2
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci	105	Intro. to Biological Science	3
		Social Sciences Elective	3
		Foreign Language	3
Ed	100	Orientation in Education	1
		Elective	2
			16

SOPHOMORE YEAR

First Semester

Eng	331	English Lit. to 1750	3
Psy	154	General Psychology	3
		Science or Math Elective	3
		Foreign Language	3
		Electives	5
			17

Second Semester

Eng	332	Eng. Lit. Since 1750	3
Ed	210	Human Gr. and Develop.	3
		Science or Math Elective	3
		Foreign Language	3
*Eng	341	Amer. Writers Before 1850	3
		Elective	2
			17

*Eng 315—Structure of English

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

NOTE: English 101 and 102 or English 103 are prerequisites for all other English courses.

English 101. Composition I. (3-0-3); I, II, III.

Development of writing ability; basic problems of structure of language, frequent papers.

English 102. Composition II. (3-0-3); I, II, III.

Continuation of English 101; emphasis on critical thinking; frequent papers, including a short research paper.

English 103. Composition III. (3-0-3); I.

For entering freshmen of high ability, this course covers composition with more emphasis on rhetoric than English 101 and 102.

English 202. Introduction to Literature. (3-0-3); I, II, III.

Extensive reading in poetry, fiction, and drama, with emphasis on basic principles of literary evaluation.
(Not recommended for English area, major, or minor students.)

English 211. World Literature to 1650. (3-0-3); I, II.

Analysis of selected masterpieces of literature from the early Greeks to the Renaissance.

English 212. World Literature Since 1650. (3-0-3); I, II.

Analysis of selected masterpieces of literature from the Renaissance to the present.

English 315. Structure of English. (3-0-3); I.

The structures of the English language from the perspective of descriptive and structural linguistics.

English 325. Religious Literature of the World. (3-0-3); II.

The literature of the major religions of the world.

English 331. English Literature to 1750. (3-0-3); I, II.

A survey of English literature from its beginning to the end of the neoclassical period in the eighteenth century.

English 332. English Literature Since 1750. (3-0-3); I, II.

A survey of English literature from 1750 to the present.

English 334. Chaucer. (3-0-3); on demand.

Intensive reading of some of the major works of Chaucer with emphasis on his language and background.

English 341. American Writers Before 1850. (3-0-3); I, II.

A survey of puritan and colonial backgrounds, the essayists of the early national period, early poets and novelists.

English 342. American Writers Since 1850. (3-0-3); I, II.

A survey of American literature from Whitman to the present.

English 343. Twentieth Century British Literature. (3-0-3); on demand.

Study of modern British poetry, novels, and short stories.

English 344. The Short Story and the Novel. (3-0-3); I, II.

Study of representative forms of the short story and the novel.

English 345. Poetry and Drama. (3-0-3); on demand.

Study of basic poetic and dramatic forms.

English 346. Literary Prose. (3-0-3); on demand.

Study of the essay, biography, and other literary prose forms.

English 365. Literature of the South (3-0-3); on demand.

Readings in the greatest and most representative Southern authors.

English 367. The Bible as Literature. (3-0-3); I.

Judeo-Christian thought and culture as found in biblical narrative, biography, drama, poetry, and sermons; scriptural history.

English 370. Greek and Roman Literature. (3-0-3); on demand.

Major literary and philosophical figures and movements of Greek and Roman antiquity.

English 372. Oriental Literature. (3-0-3); on demand.

The major literary figures and genres of the literatures of China, Japan, India, Arabia, and Iran.

English 373. Nineteenth Century European Literature. (3-0-3); on demand.

Literary figures and movements of the nineteenth century and their importance for the present day.

English 390. Advanced Writing. (3-0-3); on demand.

Study of description, narration, exposition, and poetry as rhetorical forms, with extensive practice in writing.

English 393. History of the Language. (3-0-3); I, II.

The English language from an early Germanic dialect to its present form.

English 441. Neoclassical Writers. (3-0-3); on demand.

Representative selections from English prose and poetry of the Neoclassical Period.

English 442. Romantic Writers. (3-0-3); on demand.

Representative selections of English prose and poetry from the Romantic Period.

English 443. Victorian Writers. (3-0-3); on demand.

Representative selections from English prose and poetry of the Victorian period.

English 490. Fiction and Poetry Writing. (3-0-3); on demand.

Practicum in sustained writing. Evaluation and marketing of manuscripts.

English 499. Senior Seminar. (2-0-2); II.

Intensive study of a single topic or figure in the literature of the world. Open only to senior English majors with at least a 3.0 in their English courses.

English 500. The Teaching of English. (3-0-3); I, II.

The philosophy and rationale of content and methods of teaching English in the American high school today. (Formerly 400G)

English 501. Linguistics: Semantics. (3-0-3); II (Alternate years).

Presents the problems of meaning as related to referential, distributional, and rational ways of encountering experience. (Formerly 401G)

English 505. Linguistics: Grammar. (3-0-3); I, II, III.

Principles of structural, transformational, generative, and tagmemic grammar. (Formerly 405G)

English 506. Language of Mathematics and Science. (2-0-2); II (Alternate years).

Patterning and textual programming peculiar to the language of science and mathematics. (Formerly 394)

English 509. American English: Use and Usage. (3-0-3); on demand.

A study of the dialects and the effectiveness of the language of the various parts of American society. (Formerly 409G)

English 516. Reading and Linguistics. (3-0-3); I.

Basic elements essential to good reading; centers on phonology and morphology; major emphasis is phonological. (Formerly 416G)

English 517. Structure of Literature. (3-0-3); I.

Study of linguistic patterns in literature. (Formerly 417G)

English 518. Linguistics: Business and Jurimetrics. (3-0-3); Extension.

Analysis of language patterns unique to business and law, with practical consideration of each. (Formerly 418G)

English 531. Introduction to Old English. (3-0-3); on demand.

Introduction to the language and the literature of the period. (Formerly 431G)

English 533. English Fiction. (3-0-3); II (Alternate years).

Development of the English novel from its beginnings to the twentieth century. (Formerly 433G)

English 535. Shakespeare. (3-0-3); I, II, III.

Study of selected histories, comedies, tragedies, and sonnets. (Formerly 435G)

English 536. The English Renaissance. (3-0-3); I (alternate years).

Selected poetry and drama from 1500-1600—excluding Shakespeare. (Formerly 436G)

English 539. Milton. (3-0-3); on demand.

Intensive reading of Milton's poetry and major prose. (Formerly 439G)

English 544. Folk Literature. (3-0-3); II (Alternate years).

The origin of such primitive literary forms as the proverb, tale, epic, ballad, and folk drama. (Formerly 444G)

English 552. Early Dramatic Literature. (3-0-3); on demand.

Representative dramas from the Greeks to the mid-nineteenth century. (Formerly 452G)

English 553. Modern Drama. (3-0-3); on demand.

Representative dramas from the advent of realism to the present. (Formerly 453G)

English 560. Early American Authors. (3-0-3); alternate years.

The writings and backgrounds of Bradford, Taylor, Edwards, Franklin, Paine, and Jefferson. (Formerly 460G)

English 562. Nineteenth Century American Fiction. (3-0-3); I.

The development of American fiction from Charles Brockden Brown to Stephen Crane. (Formerly 462G)

English 564. Twentieth Century American Fiction. (3-0-3); II.

The development of American fiction from 1900 to the present. (Formerly 464G)

English 566. American Poetry. (3-0-3); III (alternate years).

The development of American poetry from its beginnings to the present. (Formerly 466G)

English 571. European Literature 1100-1600. (3-0-3); I (Alternate years).

Selected works from such major writers as Dante, Petrarch, Boccaccio, Machiavelli, Erasmus, Montaigne, and Rabelais. (Formerly 471G)

English 572. European Literature 1600-1900. (3-0-3); I (alternate years).

Selected works by such major writers as Cervantes, Racine, Moliere, Pascal, Voltaire, Diderot, Goethe, and Schiller. (Formerly 472G)

English 573. Twentieth Century European Literature. (3-0-3); II (alternate years).

Selected works by such major writers as Mann, Proust, Chekhov, and Kafka. (Formerly 473G)

English 595. Linguistics: Composition. (3-0-3); I.

Language patterns, inherent symbols and their meanings, and tagmemics. (Formerly 495G)

English 603. Bibliography. (3-0-3); I, III.

An introduction to graduate research in American and English literature. Required of all candidates for Master of Arts with a major in English. (Formerly 503)

English 613. Literary Criticism. (3-0-3); II.

A historical survey of literary criticism in Europe from the classical period to the twentieth century. (Formerly 513)

English 619. American Renaissance. (3-0-3); I.

An intensive study of the transcendental movement and its influence upon American literature as seen primarily in the works of Emerson, Thoreau, Hawthorne, and Melville. (Formerly 519)

English 620. Major American Poets. (3-0-3); on demand.

Intensive study of Whitman, Dickinson, Frost, Stevens and Eliot. (Formerly 520)

English 624. American Writers in Perspective. (3-0-3); II.

Thematic development, growth of a genre, and regional qualities. (Formerly 524)

English 628. American Literary Criticism. (3-0-3); on demand.

Study of selected groups of critics, such as the New Humanists, the psychological and myth critics, liberal and radical critics, New Critics, or neo-Aristotelians. (Formerly 528)

English 629. Directed Studies in American Literature. (One to three hours); I, II, III.

Individual study under the direction of the faculty. (Formerly 529)

English 631. Studies in Old English Literature. (3-0-3); on demand.

Prerequisite: English 531 or the equivalent.

An intensive reading of selected Old English poetry and prose. (Formerly 531)

English 632. Directed Studies in English Education. (One to three hours); I, II, III.

Prerequisite: Admission to the graduate program in English or Education.

Individual study under the direction of the faculty. (Formerly 532)

English 641. Chaucer's Era and Middle English. (3-0-3); on demand.

A study of the works of Chaucer and other significant English literature from the twelfth through the fifteenth centuries. (Formerly 541)

English 643. English Renaissance. (3-0-3); on demand.

Elements of the Renaissance and Reformation, together with the poetry, prose, and drama of the period from 1500-1600. (Formerly 543)

English 645. Jacobean and Restoration Drama. (3-0-3); on demand.

Representative dramatists of seventeenth century England. (Formerly 545)

English 647. Neoclassical Period. (3-0-3); on demand.

Poetry and prose of major British writers from 1660-1780. (Formerly 547)

English 648. English Romantic Period. (3-0-3); on demand.

The works of Wordsworth, Coleridge, Shelley, Keats, Byron, and others. (Formerly 548)

English 650. Victorian Period. (3-0-3); on demand.

The works of Tennyson, Arnold, Browning, Newman, Huxley, Ruskin, and others. (Formerly 550)

English 652. Twentieth Century English Literature. (3-0-3); on demand.

The works of Eliot, Auden, Yeats, Joyce, Conrad, Woolf, Lawrence, Forster, and others. (Formerly 552)

English 653. Directed Studies in English Literature. (One to three hours); I, II, III.

Individual study under the direction of the faculty. (Formerly 553)

English 680. English Syntax. (3-0-3); III.

Stresses syntactical studies primarily in the English language, and specifically in the use of American English structures. (Formerly 580)

English 683. Philosophy of the Language. (3-0-3); on demand.

Concentrates on the problems of knowledge insofar as the language itself is concerned. (Formerly 583)

English 685. Psycholinguistics. (3-0-3); III.

Both theoretical and practical applications of all psychological aspects of language. (Formerly 585)

English 691. Dialectology. (3-0-3); II.

Regional varieties of a language, the dialect boundaries, the phonological differences, and the lexical variations. (Formerly 591)

English 692. Linguistics and Poetic Language. (3-0-3); on demand.

The limits of poetic language as sound and as graphic expression. (Formerly 592)

English 693. Phonology. (3-0-3); on demand.

Study of the definition of phonemes and combinations of phonemes. (Formerly 593)

English 697. Sociolinguistics. (3-0-3); III.

Theory and practice involved in individual and institutional language patterning. (Formerly 597)

English 698. Directed Studies in Linguistics. (One to three hours); I, II, III.

Individual study under the direction of the faculty. (Formerly 598)

English 699. Monograph or Thesis. (Two to four hours); I, II, III.

(Formerly 599)

FRENCH

The French curriculum at Morehead State University teaches the language and literature of France, whereby the student will perceive areas of thought and action different from his own. More specifically, it surveys French civilization as seen in its literature as a complex development of France's history, geography, fine arts, ideas, and political and social institutions. Further, it helps students attain a comfortable proficiency in speaking, reading, and writing French. Finally, it trains prospective teachers in techniques of foreign language teaching.

NOTE: French 202 or the equivalent is prerequisite to all courses numbered 300 or above.

REQUIREMENTS

For a Major in French:

	Sem. Hrs.
French 101, 102, 201, 202, 203, and 435	18
Approved electives	12
	30

For a Minor in French:

French 101, 102, 201, 202, and 203	15
Approved electives	6
	21

Students with high school credit in French may be placed in a course more advanced than 101 to begin their studies.

Students who expect to teach French should choose French 405 as one of their electives.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally scheduled: I—fall, II—spring and III—summer.

French 101. Beginning French I. (3-2-3); I, II.

Drill in hearing and speaking; reading of simple texts; basic points of grammar.

French 102. Beginning French II. (3-2-3); I, II.

Review of grammar; stress on active use of the language; reading, speaking, writing, and understanding.

French 201. Intermediate French (3-0-3); I.

Exercises in writing compositions based on readings. Laboratory work designed to complete mastery of basic language patterns and active vocabulary.

French 202. Conversation and Composition. (3-0-3); II.

Intensive training in correct writing and fluent speech. Subject matter taken from literary selections.

French 203. Introduction to France. (3-0-3); I.

The elements which have contributed to the culture of France.

French 321. Literature of the Middle Ages and Renaissance. (3-0-3); I.

An introduction to typical epics, romances, and bourgeois poetry, followed by study of selections from Villon, Marot, Rabelais, the Pleiade, and Montaigne.

French 322. Seventeenth-Century Literature. (3-0-3); II.

Study of French Classicism through representative plays.

French 323. Eighteenth-Century Literature. (3-0-3); I.

Development of rationalistic and democratic tendencies as expressed in the writings of the period leading up to the Revolution.

French 324. Nineteenth-Century Literature. (3-0-3); II.

Examination of representative works illustrating the development of literature from Romanticism to Realism and Symbolism.

French 405. Linguistics and Language Teaching. (3-0-3); III.

For French majors and minors.

A seminar in various foreign languages and requiring projects appropriate to the specialty in each.

French 435. Twentieth-Century Literature. (3-0-3); on demand.

Selected works of recent writers: France, Romain Rolland, Gide, Proust, Giraudou, Sartre, and others.

French 541. The French Novel. (3-0-3); on demand.

Intensive study of a few selected novels considered to be representative of the genre. (Formerly 441G)

French 542. The French Drama. (3-0-3); on demand.

Intensive study and analysis of selected plays viewed as representative of the genre. (Formerly 442G)

French 543. French Lyric Poetry. (3-0-3); on demand.

Intensive study and analysis of masterpieces of French lyric poetry. (Formerly 443G)

French 550. Reading French I. (3-0-3); on demand.

Prerequisite: Permission of instructor.

Intensive practice in reading of the French language, with rapid and correct idiomatic translation as the aim. (Formerly 450G)

French 551. Reading French II. (3-0-3); on demand.

Prerequisite: French 550 or permission of the instructor.

Further study of grammar and drill in reading, with emphasis on reading in the student's own subject area. (Formerly 451G)

GERMAN

The German program teaches the language and literature of Germany whereby a student will understand cultural points of view different from his own. More specifically, these courses survey German culture as seen through its literature as a complex development of historical, aesthetic, artistic, and social elements. Furthermore, the teaching of language shows the student how to be comfortable with the language in the variety of ways that language is used. Finally, the program trains prospective teachers in techniques of foreign language teaching.

NOTE: German 202 or its equivalent is prerequisite to all courses numbered 300 or above.

REQUIREMENTS**For a Major in German:**

	Sem. Hrs.
German 101, 102, 201, 202, 301, 302	18
Approved electives	12
	30

For a Minor in German:

German 101, 102, 201, and 202 or 203	12
Approved electives	9
	21

Students with high school credit in German may be placed in a course more advanced than 101 to begin their studies.

Students who expect to teach German should choose German 405 as one of their electives.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term the course is normally offered: I—fall, II—spring, and III—summer.

German 101. Beginning German I. (3-2-3); I, II.

Fundamentals of structure; basic vocabulary; reading, writing, pronunciation and some conversation.

German 102. Beginning German II. (3-2-3); I, II.

A continuation of German 101.

German 201. Intermediate German I. (3-0-3); I.

A review of grammar and pronunciation, with emphasis on reading of contemporary writings.

German 202. Intermediate German II. (3-0-3); II.

Prerequisite: German 201.

A continuation of German 201.

German 203. Expository German. (3-0-3); I.

Techniques of reading for accurate information in expository writings in the natural and social sciences and the humanities.

German 301. Grammar and Conversation. (3-0-3); II.

Further development of skills involved in the use of the language. Extensive experience in the language laboratory is required.

German 302. Composition and Conversation. (3-0-3); on demand.

A continuation of German 301 with greater emphasis on stylistics.

German 303. Advanced Expository German. (3-0-3); on demand.

Extensive reading in the contributions of the German-speaking world to the fine arts, business, and social and exact sciences.

German 310. The German Novelle. (3-0-3); on demand.

The *Novelle* from Goethe to the present.

German 311. German Literature to 1880. (3-0-3); on demand.

A general survey of German literature from old High German to the deaths of Hebbel and Ludwig.

German 312. German Literature Since 1880. (3-0-3); on demand.

A survey of German literature from Hauptmann to the present.

German 320. German Literature from 1750 to 1800. (3-0-3); on demand.

A survey of the literature of Germany in the latter half of the eighteenth century.

German 330. The German Lyric. (3-0-3); on demand.

An intensive study of German lyric poetry from 1730 to the present.

German 405. Linguistics and Language Teaching. (3-0-3); III.
For German majors and minors.

A seminar accepting majors or minors in various foreign languages and requiring projects appropriate to the specialty of each.

German 420. German Drama of the Nineteenth Century. (3-0-3); on demand.

Study of the plays and their background.

German 440. Literature of the Twentieth Century. (3-0-3); on demand.

Study of major modern German writers.

German 480. Independent Study. (3-0-3); on demand.

A close reading of selected texts for their literary merit. Open only to students majoring or minoring in German. May be repeated once for credit.

LATIN

In addition to training teachers of Latin for the schools, the Latin courses serve an additional two-fold purpose of providing students in the arts with a firm background in classical culture and students in pre-professional programs with a clear understanding of technical vocabulary.

NOTE: Latin 202 or the equivalent is prerequisite to courses numbered 300 or above.

REQUIREMENTS

For a Minor:

	Sem. Hrs.
Latin 101, 102, 201, and 202	12
Approved electives	9
	21

Students with high school credit in Latin may be placed in a class more advanced than 101 to begin their studies.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall, II—spring; III—summer.

Latin 101. Beginning Latin I. (3-2-3); I, II.

Drill in the basic elements of Latin grammar, word study, and reading of simple Latin selections.

Latin 102. Beginning Latin II. (3-2-3); I, II.

A continuation of 101.

Latin 201. Intermediate Latin I. (3-0-3); I.

Selections from Catullus, Cicero, Nepos, Horace, Pliny, Martial, Livy, and Ovid.

Latin 202. Intermediate Latin II. (3-0-3); II.

Writings of Cicero; his life and influence.

Latin 301. Advanced Latin I. (3-0-3); I.

Poets of the Augustan Age, together with the history of the period.

Latin 302. Advanced Latin II. (3-0-3); II.

Further study of the poetry of the Augustan Age. Selections from Vergil's *Aeneid*.

Latin 401. Latin Literature I. (3-0-3); I.

Selections from the works of Horace, Vergil, Catullus, Tibullus, and others. Rotation of course content allows students to repeat the course for additional credit.

Latin 402. Latin Literature II. (3-0-3); II.

Selections are read from Livy, Tacitus, Suetonius, Caesar, and others. Rotation of course content allows students to repeat the course for additional credit.

RUSSIAN

The Russian program develops the student's ability to read, write, speak, and understand the Russian language, whereby the student gains an insight into the culture and history of Russian society through a sympathetic reading of its literature.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally offered: I—fall; II—spring; and III—summer.

Russian 101. Beginning Russian I. (3-0-3); I.

Russian grammar through a brief introduction to conjugation of verb forms and declension to adjectives and nouns.

Russian 102. Beginning Russian II. (3-1-3); II.

Continuation of Russian 101; complete analysis of the grammar with emphasis on writing and speaking.

Russian 201. Intermediate Russian I. (3-1-3); I.

An introduction to Russian literature through the works of Lermontov, Pushkin, Chekhov, and others.

Russian 202. Intermediate Russian II. (3-0-3); II.

Prerequisite: Russian 102 or two units of Russian in high school.

Introduces the student to Russian literature through excerpts from Lermontov and Pushkin.

SPANISH

OBJECTIVES

1. To develop the ability to understand, to speak and to write the Spanish language.
2. To give the students a knowledge of the culture of the Spanish-speaking world.
3. To develop a better understanding of our Spanish-speaking neighbors through their literature, their sense of beauty, their sense of tragedy, and their sense of humor.
4. To prepare teachers of Spanish for the elementary and secondary schools, by acquainting them with the best methods of teaching foreign languages.

NOTE: Spanish 202 or the equivalent is prerequisite to courses numbered 300 or above.

REQUIREMENTS

For a Major

	Sem. Hrs.
Spanish 101, 102, 201, 202, 301, 302, and 401	21
Approved electives	9
	30

For a Minor:

Spanish 101, 102, 201, 202, 301, and 302	18
Approved electives	3
	21

Students with high school credit in Spanish may be placed in a course more advanced than 101 to begin their studies.

It is strongly recommended that Spanish be started in the freshman year and that the courses be taken without interruption.

Students who expect to teach Spanish should choose Spanish 405 as one of their electives.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally offered: I—fall; II—spring; and III—summer.

Spanish 101. Beginning Spanish I. (3-2-3); I, II.

Practice in hearing and speaking through patterns.

Spanish 102. Beginning Spanish II. (3-2-3); I, II.

For those students who have had a year of Spanish in high school and those who have passed 101. A continuation of Spanish 101; practice hearing and speaking with patterns. Essentials of grammar.

Spanish 201. Intermediate Spanish. (3-1-3); I.

Prerequisite: Spanish 102 or permission of the instructor.

A reading course. Selection of famous modern authors used to develop the understanding and interpretation of the written language.

Spanish 202. Advanced Conversation. (3-1-3); II.

Prerequisite: Spanish 102 or permission of the instructor.

Intensive training in conversation. Films, magazines and books will be used to practice different kinds of language.

Spanish 220. Grammar and Composition. (3-0-3); I.

Prerequisite: Spanish 202 or permission of the instructor.

Study and analysis of speaking and writing styles. Emphasis on written composition.

Spanish 301. Spanish Literature. (3-0-3); I.

A survey of the major periods and tendencies of Spanish literature from its beginning through the twentieth century.

Spanish 302. Spanish American Literature. (3-0-3); II.

A survey of major periods and tendencies of Spanish American literature from its beginning through the twentieth century.

Spanish 311. Spanish and Spanish American Poetry. (3-0-3); II.

A study of Juglares, Cantares de Gesta, Romances, Mistica, Poesia del Siglo de Oro, Romancismo, Post Romanticismo, Modernismo, Siglo XX.

Spanish 312. Spanish Theatre. (3-0-3); on demand.

A study of the evolution of the theatre from Juan Del Encina to Garcia Lorca.

Spanish 313. Spanish Novel. (3-0-3); on demand.

A survey of the novel from the thirteenth century, la Novela de Caballeria, la Picaresca, la Morisca, la Pastoril, Cervantes, el Costumbrismo, la Generacion del 98, el Siglo XX.

Spanish 405. Linguistics and Language Teaching. (3-0-3); III.

For Spanish majors and minors.

A seminar in various foreign languages and requiring projects appropriate to the specialty of each.

Spanish 501. Advanced Grammar. (3-0-3); on demand.

Compulsory for those who plan to teach Spanish. A thorough study of the verbs and the structure of the language. Based on the Royal Academy Grammar. (Formerly 401G)

Spanish 523. Don Quixote de la Mancha. (3-0-3); on demand.

A study of this masterpiece of Spanish literature. (Formerly 423G)

Spanish 532. Contemporary Spanish and Spanish American Literature. (3-0-3); on demand.

A survey of significant characteristics of twentieth century Hispanic literature, including the novel, short story, drama, essay, and poetry. (Formerly 432G)

Spanish 540. Seminar in Hispanic Literature. (3-0-3); on demand.

Group instruction and practice in research methods peculiar to Hispanic literature. (Formerly 440G)

Spanish 545. Spanish Drama from the Generation of 1898 to the Present. (3-0-3); on demand.

A study of the major dramatists and dramatic trends from Benavente and his contemporaries through Garcia Lorca, Casona, and Buero Vallejo. (Formerly 445G)

Spanish 550. The Spanish Essay from the Eighteenth Century to the Present. (3-0-3); on demand.

A study of the major essayists from Feijoo through Madariga. (Formerly 450G)

Spanish 555. Lope de Vega. (3-0-3); on demand.

A study of the major dramatic and nondramatic works of Lope de Vega. (Formerly 455G)

Spanish 670. Research Problems. (One to three hours); I, II, III.

Original research of an approved subject under faculty supervision.

Spanish 676. Independent Study. (One to three hours); I, II, III.

Individually planned study of a specific topic under direction of the faculty.

Department of MUSIC

E. Glenn Fulbright, Ph. D., Head

The Department of Music offers programs of study which prepare students for careers in teaching and performing. The department also offers musical training and performance opportunities for students who are not planning for musical careers. The offerings of the department include a Bachelor of Music Education degree for those who are planning to teach music, a Bachelor of Music degree for those who are planning for careers in performance, and a major or minor in music within the Bachelor of Arts curriculum.

The Master of Music degree is offered with a major area of study in either performance or music education. Students interested in doing graduate work in music should consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

REQUIREMENTS

In addition to the information contained in this catalog, there are certain other requirements and policies which apply to music students. These are contained in the Music Student Handbook. Students following either of the programs of study offered by the Music Department should consult the handbook.

For the Bachelor of Music Education:

This program is designed for students who are planning for careers as music teachers in the public schools. It includes the requirements for a twelve-grade music certificate.

	Sem. Hrs.
1. Applied Music	23
Private lessons	6
Senior recital	1
Ensembles	7
Class piano	4
(Piano and organ majors may substitute private keyboard lessons.)	
Class voice and instruments	5
2. Music Theory	16
Music Theory I-IV	6
Sight Singing and Dictation I-IV	6
Form Analysis	2
Theory Elective	2
3. Music History and Literature	10
Music Literature I-II	4
History of Music I-II	6

4. Conducting	4
Choral Conducting	2
Instrumental Conducting	2
5. Music Education	7
Elementary Materials and Methods	4
Vocal or Instrumental Materials and Methods	2
Seminar	1
	60

For the Bachelor of Music:

This program is designed for students who are planning for professional careers in music either as performers or as private studio teachers. It does not meet the requirements for certification to teach in the public schools.

	Sem. Hrs.
1. Music Theory	16
Music Theory I-IV	6
Sight Singing and Dictation I-IV	6
Form Analysis I-II	4
2. Music History and Literature	10
Music Literature I-II	4
History of Music I-II	6
3. Ensembles	8
4. Conducting	4
Choral Conducting	2
Instrumental Conducting	2

NOTE: Jazz and Studio Music students will take either Instrumental or Choral Conducting. To complete their conducting requirement, they will take Rehearsal Techniques for Jazz Ensembles (Music 473).

5. Specialization	40	e. Wind Instruments	
a. Voice		Private Lessons in Major Instrument	16
Private Voice	16	Junior Recital	1
Class Voice	1	Senior Recital	2
Junior Recital	1	Class Instruments	4
Senior Recital	2	Class Brasswinds	1
Class and/or Private Piano	8	Class Woodwinds	1
Languages (A minimum of six semester		Class Strings	1
hours in each of two languages)	12	Class Percussion	1
b. Piano		Class Piano and/or Private Piano	6
Private Piano	21	Class Voice	1
Private Organ and/or Harpsichord	7	Private Voice	1
Junior Recital	1	Arranging	4
Senior Recital	2	Music Electives	5
Counterpoint	2	f. Theory-Composition	
Class Voice	1	Composition	12
Private Voice	3	Arranging	4
Piano Literature	3	Counterpoint	2
c. Organ or Harpsichord		Recital of Original Composition	2
Private Organ or Harpsichord	24	Class and/or Private Keyboard	8
Class or Private Piano	5	Class Instruments	4
Junior Recital	1	Class Brasswinds	1
Senior Recital	2	Class Woodwinds	1
Class Voice	1	Class Strings	1
Private Voice	3	Class Percussion	1
Church Music	2	Class Voice	1
Counterpoint	2	Private Lessons in Major Instrument or	
d. Strings		Voice	7
Private Strings	24	g. Jazz and Studio Music	
Class Piano and/or Private Piano	8	Private Applied Music	16
Junior Recital	1	Junior Recital	1
Senior Recital	2	Senior Recital	2
Class Instruments	3	Class Piano and/or Jazz Keyboard	4
Class Woodwinds	1	Jazz History and Literature	6
Class Brasswinds	1	Arranging for the Stage Band	4
Class Percussion	1	Studio Improvisation	7
Class Voice	1		
Private Voice	1		

For a Major (Bachelor of Arts degree—Teaching):

This program provides a basic background of preparation for either instrumental or vocal music at the secondary level. It does not qualify the student for the twelve-grade certificate and is not recommended for the student who plans to teach music exclusively.

Program for Instrumental Majors:

	Sem. Hrs.
Applied Music	20
Private lessons	6
Senior recital	1
Class instruments and voice	5
Class piano	4
Ensembles	4
Music Theory	12
Music Theory I-IV	6
Sight Singing and Dictation I-IV	6
Music History and Literature	6
History of Music I and II	6
Music Education and Conducting	4
Instrumental Conducting	2
Instrumental Materials and Methods	2
	42

**Program for Vocal Majors:**

	Sem. Hrs.
Applied Music	16
Class voice	1
Private voice	6
Class or private piano	4
Ensembles	4
Senior recital	1
Music Theory	12
Music Theory I-IV	6
Sight Singing and Dictation	6
Music History and Literature	10
Music Literature I and II	4
History of Music I and II	6
Music Education and Conducting	4
Choral Conducting	2
Vocal Materials and Methods	2
	42

For a Major (Bachelor of Arts degree—Non-Teaching):

This program is designed for students who are planning for careers in music which do not require certification. It does not meet the requirements for teaching music in the public schools, nor does it prepare a student to enter graduate study in music without further preparation at the undergraduate level.

	Sem. Hrs.
Applied Music	12
Private lessons	7
Senior recital	1
Ensembles	4
Music Theory	12
Music Theory I, II, III, IV	6
Sight Singing and Dictation I, II, III, IV	6
Music History I and II	6
	30

For a Minor (Non-Teaching):

	Sem. Hrs.
Applied Music	8
Private Lessons	6
Class or Private Piano	2
Music Theory	6
Music Theory I and II	2
Sight Singing and Dictation I and II	4
Music Literature I and II	4
Music Electives	3
	21

For the Associate of Applied Arts Degree—Music Emphasis:

Music Theory	12
Music Theory I-IV	6
Sight Singing and Dictation	6
Music History and Literature	10
Music Literature I and II	4
History of Music I and II	6
Applied Music	12
	34

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses during their first two years of study. These suggested schedules need not be followed specifically, but substitutions should be made only after careful study of degree requirements has been made.

Bachelor of Music Education Degree**FRESHMAN YEAR***First Semester*

Eng	101	Composition I	3
Sci	103	Intro. to Physical Sci	3
Psy	154	General Psychology	3
Mus	131	Music Theory I	1
Mus	133	Sight Sing. and Dict. I	2
Mus	111P	Class Piano I	1
Mus	157	Private Applied	1
		Ensemble	1
		Student Recital	0
		Elective	2
			17

Second Semester

Eng	102	Composition II	3
Sci	105	Intro. to Biological Sci	3
Hlth	150	Personal Health	2
Mus	132	Music Theory II	1
Mus	134	Sight Sing. and Dict. II	2
Mus	112P	Class Piano II	1
Mus	211	Class Instruments or Voice	1
Mus	158	Private Applied	1
		Ensemble	1
		Student Recital	0
		Elective	2

SOPHOMORE YEAR

First Semester

Eng	202	Intro. to Literature	3
Ed	100	Orientation in Education	1
PE		Activity Course	1
Mus	231	Music Theory III	2
Mus	233	Sight Sing. and Dict. III	1
Mus	211P	Class Piano III	1
Mus	161	Music Literature I	2
Mus	211	Class Instruments or Voice	1
Mus	257	Private Applied	1
		Ensemble	1
		Student Recital	0
		Gen. Ed. Elective	3
			17

Second Semester

Ed	210	Human Growth and Devel. I	3
PE		Activity Course	1
Mus	232	Music Theory IV	2
Mus	234	Sight Sing. and Dict. IV	1
Mus	212P	Class Piano IV	1
Mus	162	Music Literature II	2
Mus	211	Class Instruments or Voice	2
Mus	258	Private Applied	1
		Ensemble	1
		Student Recital	0
		Gen. Ed. Elective	3
			17

Bachelor of Music (Non-Teaching—Piano Specialization)

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Sci	103	Intro. to Physical Sci	3
HLth	150	Personal Health	2
Mus	131	Music Theory I	1
Mus	133	Sight Sing. and Dict. I	2
Mus	*157P	Private Piano	3
Mus	*187P	Piano Ensemble	1
		Elective	2
		Student Recital	0
			17

Second Semester

Eng	102	Composition II	3
Sci	105	Intro. to Biological Sci	3
PE		Activity Course	1
Mus	132	Music Theory II	1
Mus	134	Sight Sing. and Dict. II	2
Mus	*158P	Private Piano	3
Mus	*188P	Piano Ensemble	1
Mus	*151	Private Organ or Harpsichord	1
		Elective	2
			17

SOPHOMORE YEAR

First Semester

Psy	154	General Psychology	3
Mus	161	Literature of Music I	2
Mus	231	Music Theory III	2
Mus	233	Sight Sing. and Dict. III	1
Mus	*257P	Private Piano	3
Mus	*111W	Class Voice	1
Mus	*152P	Private Organ or Harpsichord	1
Mus	*287P	Piano Ensemble	1
		Student Recital	0
PE		Activity course	1
		Elective	2
			17

Second Semester

Eng	202	Intro. to Literature	3
Mus	162	Literature of Music II	2
Mus	232	Music Theory IV	2
Mus	234	Sight Sing. and Dict. IV	1
Mus	*258P	Private Piano	3
Mus	*157W	Private Voice	1
Mus	*251	Private Organ or Harpsichord	1
Mus	*288P	Piano Ensemble	1
		Student Recital	0
		Elective	2
			16

*Points at which substitutions should be made for other specializations.

Piano Proficiency

A student who expects to be certified to teach music upon graduation and whose major applied instrument is not piano must successfully complete four semesters of private class piano or demonstrate piano proficiency by examination. The material for the examination will consist of the following:

1. Facility in scales, arpeggios, and cadences.
2. Performance of compositions of approximately third grade difficulty from the works of Clementi, Bach, Mozart, Bartok, etc.
3. Sight reading of easy piano music and instrumental and vocal accompaniments.
4. Playing of simple melodies by ear and improvising appropriate harmonizations.

Music fees

One half-hour private lesson per week,	
per semester	\$20.00
Each additional half-hour private lesson per	
week, per semester	20.00
Practice room and organ fee	5.00
Instrument rental fee	3.00
Junior recital	25.00
Senior recital (one hour credit)	25.00
Senior recital (two hour credit)	35.00
Graduate recital	35.00

NOTE: Under certain conditions, beginning students in applied music may be assigned to an undergraduate assistant for instruction. In this event, the lesson fee is one-half that charged for lessons with members of the music faculty.

Class and Private Applied Music Courses

Applied music courses may be taken through either class or private instruction. Private instruction may be taken by students who are not following a music curriculum, in which case the requirements are different from those which are established for music students. Music students may take private lessons on instruments other than their applied major. These will be referred to as secondary instruments. Course numbers will be assigned from the following sequences of numbers. In order to progress from one level to the next a minimum grade of C must have been earned.

- 111-212. Class Applied Music. One hour.
- 117-518. Private Applied Music (non-music students). One hour.
- 151-552. Private Applied Music (secondary instruments or voice). One hour.
- 157-558. Private Applied Music (major instruments or voice). One to four hours.

The instrument or family of instruments being studied will be indicated by a postscript to the course number. The letters to be used and their meanings are as follows:

A—Woodwinds	N—Percussion
B—Flute	O—Organ
C—Oboe	P—Piano
D—Bassoon	Q—Harpsichord
E—Clarinet	R—Strings
F—Saxophone	S—Violin
H—Brasswinds	T—Viola
I—Horn	U—Cello
J—Trumpet	V—Double Bass
K—Euphonium	W—Voice
L—Trombone	X—to be specified
M—Tuba	Y—Winds and Percussion

Course numbers will be assigned in sequence. Eligibility to register for the first course in the graduate sequence (500 level) will be determined by an audition.

The amount of credit in private applied music is variable. A student is expected to practice at least one hour per day for each hour of credit being earned. The number of lessons in a given area of private study will not ordinarily exceed two half-hours per week.

Ensembles

Ensembles may be taken with or without credit. A maximum of eight hours of credit in ensembles may be applied toward fulfilling the requirements of music curricula. (Refer to the curricula requirements listed previously.)

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Fine Arts 187W-588W. Opera Workshop. (0-2-1); I, II.

An introduction to the techniques of musical theatre with emphasis placed on the integration of music and action-dramatic study of operatic roles.

Music 187H-488H. Brass Choir. (0-2-1); I, II.

Open to brass players with the consent of the instructor.

Music 187N-488N. Percussion Ensemble. (0-2-1); I, II, III.

Open to all students who play percussion instruments, with the consent of the instructor.

Music 187P. Piano Sight Reading I. (0-2-1); I, II.

Designed to develop competent sight reading. Required for piano majors.

Music 188P. Piano Sight Reading II. (0-2-1); I, II.
Continuation of Music 187P.

Music 287P. Keyboard Harmony. (0-2-1); I, II.
Designed to develop mastery of applied keyboard harmony.

Music 288P. Piano Ensemble. (0-2-1); I, II.
Preparation and performance of piano ensemble literature.

Music 387P. Accompanying I. (1-2-1); I, II.
Two hours of studio accompanying per week.

Music 388P. Accompanying II. (1-2-1); I, II.
Continuation of 387P.

Music 487P. Recital Accompanying. (1-2-1); I, II.
Performance of accompaniments for junior or senior recitals.
Consent of piano faculty required.

Music 488P. Recital Accompanying. (1-2-1); I, II.
Continuation of 487P.

Music 187R-488R. Orchestra. (0-2-1); I, II.
Open to all string students and to selected wind and percussion players as needed.

Music 187W-488W. Concert Choir. (0-3-1); I, II.
Seventy-voice choir. Frequently performs with orchestra.
Admission by audition.

Music 187W-488W. Chamber Singers. (0-3-1); I, II.
Select group of sixteen singers. Concerts on and off campus.
Admission by audition.

Music 187W-488W. Men's Glee Club. (0-2-1); I, II.
Open to all university men interested in singing.

Music 187W-488W. Women's Chorus. (0-3-1); I, II.
Open to all university women who are interested in singing.

Music 187Y-488Y. Concert Band. (0-3-1); II.
Open to all students.

Music 187Y-488Y. Marching Band. (0-5-1); I.
Open to all students. Required for brasswind, woodwind, and percussion music students.

Music 187Y-488Y. Stage Band. (0-2-1); I, II.
Open to all students. Admission by audition.

Music 187Y-488Y. Symphony Band. (0-4-1); II.
Admission by audition.

Music 187Y-488Y. Studio Improvisation. (0-2-1); I, II.
Jazz styles, improvisational theories and techniques, with emphasis on small group playing and supervised improvisation.



Music 100. Rudiments of Music. (1-2-2); I, II, III.

Fundamentals of music theory, with emphasis on preparation for teaching music to elementary school children. May be waived by examination. For elementary areas.

Music 101. Fundamentals of Music Theory. (0-2-2); I, II.

Fundamentals of music theory for students wishing to complete a major in music or a B. M. or B. M. E. degree.

Music 131. Music Theory I. (0-2-1); I, II.

Prerequisite: Music 101 or demonstrated equivalent by examination.

Written theory and fundamentals of diatonic harmony.

Music 132. Music Theory II. (0-2-1); I, II.

Prerequisite: Music 131 with a minimum grade of C.

Continuation of Music 131.

Music 133. Sight Singing and Dictation I. (0-3-2); I, II.

Prerequisite: Music 101 or demonstrated equivalent by examination.

Singing and transcribing of scales, chords, and diatonic music with rhythmic and tonal accuracy.

Music 134. Sight Singing and Dictation II. (0-3-2); I, II.

Prerequisite: Music 133 with a minimum grade of C.

Continuation of Music 133.

Music 161. Literature of Music I. (2-0-2); I.

Designed to promote intelligent listening to music and the understanding of music of various periods and styles.

Music 162. Literature of Music II. (2-0-2); II.

Continuation of Music 161.

Music 221. Music for the Elementary Teacher. (2-0-2); I, II, III.

Prerequisite: Music 100.

Music fundamentals and methods for teaching music to elementary school children.

Music 231. Music Theory III. (2-0-2); I, II.

Prerequisite: Music 132 with a minimum grade of C.

Written theory and analysis; study of chromatic harmony.

Music 232. Music Theory IV. (1-2-2); I, II.

Prerequisite: Music 231 with a minimum grade of C.

A continuation of Music 231.

Music 233. Sight Singing and Dictation III. (0-2-1); I, II.

Prerequisite: Music 134 with a minimum grade of C.

Advanced sight singing and aural skills with an emphasis on chromatic materials.

Music 234. Sight Singing and Dictation IV. (0-2-1); I, II.

Prerequisite: Music 233 with a minimum grade of C.

A continuation of Music 233.

Music 245. Jazz Keyboard I. (0-2-1); I.

Prerequisite: Music 112P or consent of the instructor.

An introduction to jazz keyboard techniques, with primary emphasis on ensemble playing.

Music 246. Jazz Keyboard II. (0-2-1); II.

Prerequisite: Music 245.

Continuation of Music 245.

Music 263. Elementary Composition I. (1-1-2); I.

Prerequisite: Music 232 or consent of the instructor.

Study and practice of basic formal compositional principles.

Music 264. Elementary Composition II. (1-1-2); II.

Prerequisite: Music 263.

Continuation of Music 263.

Music 325. Materials and Methods for Elementary Grades. (4-0-4); I, II.

Materials and methods for the elementary school with emphasis on the teaching of musical concepts through developmental techniques.

Music 329. Church Music. (2-0-2); on demand.

Brief history; techniques of hymn and anthem playing and/or directing; planning the worship service.

Music 331. Counterpoint. (2-0-2); II.

Prerequisite: Music 132.

Writing of sixteenth and eighteenth century strict and free counterpoint, canon, invention, fugue. Some twentieth century techniques.

Music 335. Field Experience. (Three hours credit); on demand.

Two full days weekly of teaching under supervision in public schools in nearby communities.

Music 336. Field Experience. (Three hours credit); on demand.

A continuation of Music 335.

Music 345. Jazz Keyboard III. (0-2-1); I.

Prerequisite: Music 246.

Jazz keyboard techniques with special emphasis on solo playing.

Music 346. Jazz Keyboard IV. (0-2-1); II.

Prerequisite: Music 345.

Continuation of Music 345.

Music 360. Junior Recital. (1-0-1); I, II, III.

A solo public recital of at least thirty minutes.

Music 361. History of Music I. (3-0-3); I, III.

A survey of the history of music in Western Europe from its ancient Greek beginnings through the early eighteenth century.

Music 362. History of Music II. (3-0-3); II, III.

The history of music in Western Europe, Russia, and America from the eighteenth century to the present.

Music 363. Intermediate Composition I. (1-1-2); I, II.

Prerequisite: Music 264.

Study and writing of students' original creative work. One hour weekly in private study; one hour in composition seminar-colloquium.

Music 364. Intermediate Composition II. (1-1-2); I, II.

Prerequisite: Music 363.

Continuation of Music 363.

Music 365. Jazz History and Literature I. (3-0-3); I.

A survey of jazz history from its beginning (ca. 1850) to about 1940.

Music 366. Jazz History and Literature II. (3-0-3); II.

Continuation of Music 365.

Music 375. Vocal Materials and Methods. (2-0-2); II.

Prerequisite: Music 325.

The teaching of general music in the junior and senior high schools with emphasis on choral activities.

Music 376. Instrumental Materials and Methods. (2-0-2); I, II.

Prerequisite: Credit for applied music in at least two of the following fields: strings, brasswinds, woodwinds, percussion.

Instructional procedures and materials used in instrumental teaching from the elementary grades through high school.

Music 377. Instrumental Repair and Maintenance. (1-1-1); I.
Demonstration and practice in simple repairs and maintenance of band and orchestral instruments.

Music 378. Piano Pedagogy. (2-1-2); II.
Survey and evaluation of materials and methods for teaching class and private piano.

Music 379. Double-reed making. (1-0-1); I.
Concepts and skills of double-reed making; oboe through contrabassoon.

Music 433. Arranging for Jazz Ensembles I. (2-0-2); I.
Techniques of arranging for large and small jazz ensembles.

Music 434. Arranging for Jazz Ensembles II. (2-0-2); II.
Prerequisite: Music 433.
Continuation of Music 433.

Music 450. Senior Recital. (1-0-1); I, II, III.
A solo public recital of approximately thirty minutes duration.

Music 460. Senior Recital (2-0-2); I, II, III.
A solo public recital of approximately one hour duration.

Music 465. Form Analysis I. (2-0-2); on demand.
Prerequisite: Music 132.
A study of the elements of musical design through aural and score analysis.

Music 466. Form Analysis II. (2-0-2); on demand.
Prerequisite: Music 465.
A continuation of Music 465.

Music 470. Composition Recital. (1-0-2); I, II, III.
Preparation and performance in recital of students' original compositions.

Music 471. Choral Conducting. (2-0-2); I, II.
Baton technique, rehearsal procedures, choral diction, and style and interpretation of choral works.

Music 472. Instrumental Conducting. (2-0-2); I, II, III.
Baton technique, rehearsal procedures, and style and interpretation of instrumental works.

Music 473. Rehearsal Techniques for Jazz Ensembles. (2-0-2); II.
A study of the special techniques needed in rehearsing jazz, pop, and rock ensembles.

Music 480. Seminar. (1-0-1); I, II.
Discussion of special problems related to the teaching of music; readings in literature in the field.

Music 531. Arranging. (2-0-2); on demand.
Prerequisite: Music 232 or the equivalent.
Scoring, arranging, transcribing of selected or original materials for voices and/or instruments. (Formerly 431G)

Music 532. Advanced Arranging. (2-0-2); on demand.
Prerequisite: Music 531.
Continuation of Music 531. (Formerly 432)

Music 563. Advanced Composition I. (1-1-2); I, II.
Prerequisite: Music 364.
Study, writing, and performance of students' original creative work. Private conferences and composition seminar in colloquium. (Formerly 463G)

Music 564. Advanced Composition II. (1-1-2); I, II.
Prerequisite: Music 563.
Continuation of Music 563. (Formerly 464G)

Music 578. Teaching of Percussion. (2-0-2); II, III.
A study of the development of percussion instruments, literature and performing techniques. (Formerly 478G)

Music 579. Marching Band Workshop. (2-0-2); I, III.

Techniques of preparing marching bands for performance. (Formerly 479G)

Music 581. Literature of the Piano. (3-0-3); I.

Survey of keyboard music from the sixteenth century to the present. (Formerly 381G)

Music 591. School Band Literature. (2-0-2); II, III.

Examination and criticism of music for training and concert use by groups at various levels of attainment. (Formerly 491G)

Music 616. Teaching of Strings. (2-1-2); II.

A survey of teaching techniques and materials with primary emphasis on the public school level. (Formerly 516)

Music 625. Psychology of Music. (2-0-2); II, III.

A study of the psychological processes upon which musical behavior depends. (Formerly 525)

Music 631. Arranging for the Marching Band. (2-0-2); I, II.

Study of current trends in half-time show styles; creative experiments in arranging in various styles; attention to individual projects. (Formerly 531)

Music 653. Teaching of Woodwinds. (2-0-2); I, III.

Comparative study of the various techniques and recent trends in the teaching of woodwind instruments. (Formerly 553)

Music 656. Teaching of Brasses. (2-0-2); I, III.

Comparative study of various techniques and recent trends in the teaching of brass instruments. (Formerly 556)

Music 660. Graduate Recital. (2-0-2); I, II, III.

A solo public recital of approximately one hour duration. (Formerly 560)

Music 661. Teaching of General Music. (2-0-2); on demand.

A pedagogy course with emphasis upon music for the non-performing student in the elementary and secondary schools. (Formerly 561)

Music 663. Creative Writing I. (2-0-2); I, II, III.

Private coaching and critique in developing individual compositional style. (Formerly 563)

Music 664. Creative Writing II. (2-0-2); I, II.

Prerequisite: Music 663.

Continuation of Music 663. (Formerly 564)

Music 671. Advanced Conducting. (2-2-3); I, II, III.

Advanced instruction and experience in the preparation, rehearsal, and performance of ensemble music. (Formerly 571)

Music 676. Independent Study. (One to three hours); I, II, III.

Definition and investigation of a problem in music. A written report of the problem, procedure, and results of the study must be submitted. (Formerly 570)

Music 680. Seminar in Music Research. (3-0-3); I, III.

A study of the types of research appropriate to the field of music and the methodology of each.

Music 681. Foundations of Music Education. (3-0-3); II, III.

Examination of the historical, philosophical, and sociological foundations of the teaching of music in the public schools.

Music 690. Studies in Musical Style. (3-0-3); II, III.

Detailed analysis of the music of individual composers, musical styles, and periods. (Formerly 590)

Music 691. Symphonic Literature. (3-0-3); I, III.

Orchestral literature from the Mannheim School to the present. Emphasis upon formal structure, harmonic idioms, and orchestration. (Formerly 591)

Music 692. Choral Literature. (2-0-2); III.

Vocal ensemble literature from 1400 to the present; stylistic traits, types of compositions, sources, and performance practices. (Formerly 592)

Music 693. Contemporary Music. (3-0-3); I, III.

A study of the compositions and theories of those composers who have contributed significantly to the music of the twentieth century. (Formerly 593)

Music 694. Chamber Music. (2-0-2); II, III.

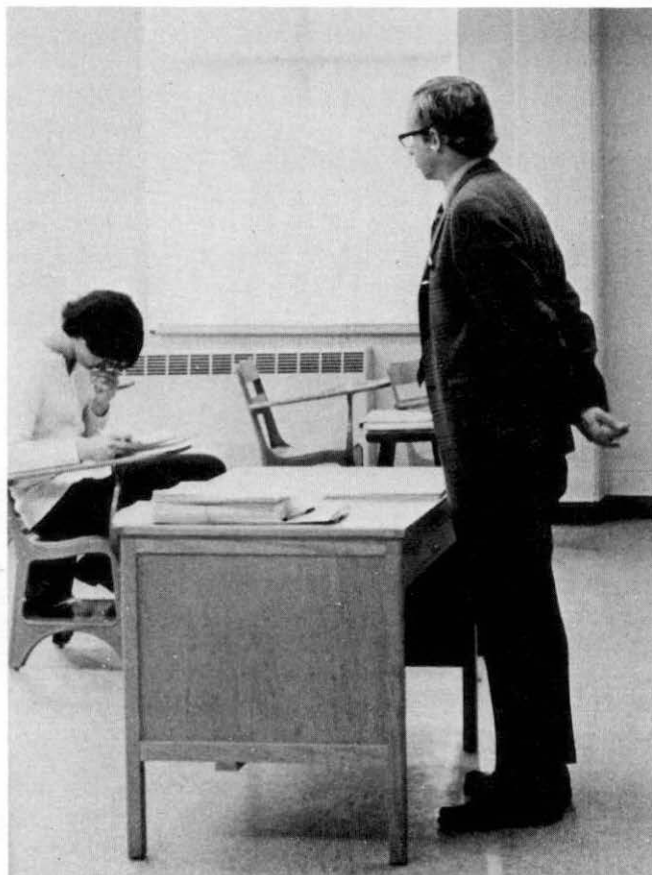
A study of the literature for small ensembles from the eighteenth century to the present. (Formerly 594)

Music 695. Song Literature. (2-0-2); II.

A survey of music for solo voice, seventeenth through twentieth centuries. (Formerly 595)

Department of PHILOSOPHY

Franklin M. Mangrum, Ph. D., Head



The Department of Philosophy serves two basic functions in the programs offered by the University. First, the Department offers general education courses which students may select as partial fulfillment of the general education requirements in the humanities. These courses are designed to increase the scope and depth of the students' understanding of some of man's most basic beliefs. Second, the Department offers a minor or major for those students who have a strong interest in philosophy, for those who may want to prepare themselves for graduate work in the subject, and for those who want to acquire a good foundation in philosophy to supplement their preparation for graduate study in the professions or other disciplines.

The role of the Department in the general education program is an important one, for philosophy studies the assumptions or presuppositions of the other disciplines, and a subject can be known in depth only if its assumptions are known and examined for their truth. Furthermore, the role of the Department in the general education program is significant, since philosophy attempts to answer the questions: What is knowledge? What are the methods of acquiring knowledge? How are true ideas distinguished from false ones? What is real? How should we behave? For everyone either explicitly or implicitly answers these questions. If everyone must answer these questions, then it appears that the systematic and thorough study of them in philosophy will benefit any student.

REQUIREMENTS**For a Major:**

	Sem. Hrs.
Philosophy 200, 306, 405, and 406	12
Additional credit in philosophy approved by the department	18
Minimum for a Major	30

For a Minor:

Philosophy 200, 306, 405, and 406	12
Additional credit in philosophy approved by the department	9
Minimum for a Minor	21

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and making their schedules during the freshman and sophomore years. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

**Bachelor of Arts Degree with a Major in Philosophy
(Without a certificate)**

FRESHMAN YEAR*First Semester*

Eng	101	Composition I	3
Sci		Physical Science Elective	3
PE		Activity Course	1
		Social Sciences Elective	3
		Humanities Elective	3
		Elective (foreign language recommended)	3
			16

Second Semester

Eng	102	Composition II	3
Sci		Biological Science Elective	3
PE		Activity Course	1
Phil	200	Introduction to Philosophy	3
		Social Sciences Elective	3
		Elective (foreign language recommended)	3
			16

SOPHOMORE YEAR*First Semester*

Eng	202	Introduction to Literature	3
		Second Major	3
Phil		Philosophy Elective	3
		Social Sciences Elective	3
Hi th		Health Elective	2
		Elective (foreign language recommended)	3
			17

Second Semester

Math		Mathematics Elective	3
		Social Sciences Elective	3
		Second Major	3
Phil	306	Logic	3
		Elective (foreign language recommended)	3
			15

**Provisional High School Certificate with a Major in Philosophy
and a Major in a Teaching Subject**
FRESHMAN YEAR
First Semester

Eng	101	Composition I	3
Sci		Physical Science Elective	3
Psy	154	General Psychology	3
		Social Sciences Elective	3
		Humanities Elective	3
PE		Activity Course	1
			16

Second Semester

Eng	102	Composition II	3
Sci		Biological Science Elective	3
PE		Activity Course	1
Ed	100	Orientation in Education	1
Phil	200	Introduction to Philosophy	3
		Second Major	3
		Social Sciences Elective	3
			17

SOPHOMORE YEAR
First Semester

Eng	202	Introduction to Literature	3
		Social Sciences Elective	3
Ed	210	Human Growth and Development I	3
		Philosophy Elective	3
Hlth		Health Elective	2
		Second Major	3
			17

Second Semester

Phil	306	Logic	3
Phil		Elective in Philosophy	3
Math		Math Elective	3
		Second Major	3
		Social Sciences Elective	3
			15

**Provisional High School Certificate with a Minor in Philosophy
and a Major in a Teaching Subject**
FRESHMAN YEAR
First Semester

Eng	101	Composition I	3
Sci		Physical Science Elective	3
PE		Activity Course	1
Psy	154	General Psychology	3
Hlth		Health Elective	2
		Social Sciences Elective	3
Ed	100	Orientation in Education	1
			16

Second Semester

Eng	102	Composition II	3
Sci		Biological Science Elective	3
PE		Activity Course	1
		Social Sciences Elective	3
		Major	3
Phil	200	Introduction to Philosophy	3
			16

SOPHOMORE YEAR
First Semester

		Humanities Elective	3
Eng	202	Introduction to Literature	3
Phil		Philosophy Elective	3
Ed	210	Human Growth and Development I	3
		Major	3
		Elective	2
			17

Second Semester

Phil		Philosophy Elective	3
Phil	306	Logic	3
Math		Mathematics Elective	3
		Social Sciences Elective	3
		Major	3
		Elective	2
			17

Bachelor of Arts Degree with a Minor in Philosophy (Without a Certificate)

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
Sci		Physical Science Elective	3
PE		Activity Course	1
		Social Sciences Elective	3
		Humanities Elective	3
		Elective	3
			16

Second Semester

Eng	102	Composition II	3
Sci		Biological Science Elective	3
Hlth		Elective in Health	2
		Social Sciences Elective	3
Phil	200	Introduction to Philosophy	3
		Major	3
			17

SOPHOMORE YEAR

First Semester

Eng	202	Introduction to Literature	3
Math		Mathematics Elective	3
		Social Sciences Elective	3
Phil		Philosophy Elective	3
		Major	3
PE		Activity Course	1
			16

Second Semester

Phil	306	Logic	3
Phil		Philosophy Elective	3
		Social Sciences Elective	3
		Math or Science Elective	3
		Major	3
		Elective	2
			17

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Honors Seminar in Philosophy. (3-0-3).

Prerequisite: Membership in the Junior-Senior Honors Program.

Contemporary moral issues are examined, discussed, and evaluated. The topics may vary from semester to semester.

Philosophy 200. Introduction to Philosophy. (3-0-3); I, II, III.

(This course cannot be taken by first semester freshmen.)
A study of alternative views concerning the nature of reality, knowledge, truth, God, man, art, and the good life.

Philosophy 300. Philosophy of Science. (3-0-3); II.

A study of scientific method and explanation; the role of mathematics in empirical science; and theories of matter, space, time, motion, and causality.

Philosophy 303. Social Ethics. (3-0-3); I, II, III.

A study of theoretical and practical problems of moral conduct and proposed solutions to them.

Philosophy 306. Logic. (3-0-3); II.

A study of informal fallacies, the methods of constructing deductive and inductive arguments, and the ways of justifying or testing them.

Philosophy 307. Philosophy of Religion. (3-0-3); II, III.

Prerequisite: Any one of the following courses; Philosophy 200, 405, 406.

An inquiry into proposed sources of religious knowledge and the meaning of God, Jesus, sin, and salvation in four major theories of the universe.

Philosophy 308. Philosophy of the Arts. (3-0-3); I.

An examination of the major theories of art, aesthetic experience, the structure of art, problems in aesthetics, and art criticism.

Philosophy 309. Existentialism. (3-0-3); I.

Designed to develop an understanding of theories of the nature of reality, knowledge, and the good life from the point of view of those who appeal to our "existing situation" rather than reason.

Philosophy 310. Analysis of Ideas. (3-0-3); on demand.

Prerequisite: Philosophy 200 or consent of the department.
Introduction to the theory and technique of analysis of statements and the application of this technique to basic statements in the various sciences.

Philosophy 311. Ordinary Language Philosophy. (3-0-3); I.

Prerequisite: Any one of the following courses: Philosophy 200, 405, 406.

An introduction to a contemporary philosophy which attempts to solve philosophical problems by appealing to language as ordinarily used.

Philosophy 312. Symbolic Logic. (3-0-3); on demand.

Prerequisite: Permission of instructor.

An introduction to the methods of constructing and justifying deductive arguments as they have been developed by the use of modern symbols.

Philosophy 313. American Philosophy. (3-0-3); on demand.

Prerequisite: Philosophy 200 or consent of the department.
A survey of philosophical thought in America from the eighteenth century to the present with special attention given to the Pragmatists.

Philosophy 410. Contemporary Philosophy. (3-0-3); II.

Prerequisite: Any one of the following courses: Philosophy 200, 405, 406.

An examination, interpretation, and evaluation of the philosophic ideas of leading representatives of twentieth-century philosophies.

Philosophy 476. Special Problems. (One to three hours); on demand.

Prerequisite: Twelve hours in philosophy or consent of the department.

The student selects an approved topic in philosophy on which he will do a directed study.

Philosophy 505. History of Philosophy I. (3-0-3); I.

Ancient and Medieval philosophy; a history of Western philosophy from Thales (624-546 B.C.) to the beginning of the Renaissance. (Formerly 405G)

Philosophy 506. History of Philosophy II. (3-0-3); II.

Modern and Contemporary philosophy; a history of Western philosophy from the Renaissance to the present. (Formerly 406G)

Philosophy 610. Living Philosophy. (3-0-3); on demand.

This course is designed for graduate students who have had little or no training in philosophy.

A study of theories of knowledge, reality, art, the state, and the good life in some of the most prominent living schools of philosophy. (Formerly 510)

Philosophy 676. Research Problems. (One to three hours); on demand.

Prerequisite: Twelve hours of undergraduate credit or three hours of graduate credit in philosophy.

The student selects an approved topic in philosophy on which he will do a directed study. (Formerly 576)

FACULTY, SCHOOL OF HUMANITIES**Johnson E. Duncan, Ph.D., Dean****Department of Art****Bill R. Booth, Ph.D., Head****ADAMS, DOUGLAS G.***Assistant Professor*

A.B., Morehead State University;

M.A., Eastern Kentucky State University.

At Morehead since 1967.

BOOTH, BILL R.*Professor*

A.B., Eastern Kentucky University;

M.A., Ed.S., George Peabody College;

Ph.D., University of Georgia.

At Morehead since 1970.

BOOTH, LOUISE T.*Instructor*

B.S., University of Cincinnati;

M.A., George Peabody College.

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HOWARD, RYAN*Associate Professor*

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JONES, ROGER H.*Assistant Professor*

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M.A., University of Kentucky.

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M.F.A., University of Georgia.

At Morehead since 1972.

MAORTUA, JOSE M.*Associate Professor*A.B., B.S., Instituto del C. Cisneros and Universidad Central,
Madrid (Spain);

M.F.A., Maryland Institute College of Art.

At Morehead since 1965.

PYLE, GENE*Assistant Professor*

A.B., Colorado College;

Dip. in Art, Kansas City Art Institute.

At Morehead since 1972.

SARTOR, JOE D.*Assistant Professor*

A.B., Centenary College;

M.A., University of Missouri.

At Morehead since 1968.

SMITH, ALBERT G., JR.*Instructor*

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M.A., M.F.A., University of Iowa.

At Morehead since 1971.

STRIDER, MAURICE*Associate Professor*

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Division of Communications

Jack E. Wilson, Ph.D., Chairman

BROCKMAN, C. LANCE

Instructor

B.A., M.S., Kansas State Teachers College.

At Morehead since 1970.

BROWN, W. DAVID

Assistant Professor

A.B., Louisiana Polytechnic Institute;

A.M., Louisiana State University.

At Morehead since 1966.

HOLLOWAY, DONALD F.

Associate Professor

A.B., A.M., Morehead State University.

At Morehead since 1958.

HUGHES, RONALD

Instructor

A.S., Amarillo College;

B.S., M.A., University of Texas.

At Morehead since 1970.

KUNKEL, RICHARD L.

Instructor

B.S., M.S., Syracuse University.

At Morehead since 1972.

LAYNE, WILLIAM J.

Associate Professor

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M.A., Brigham Young;

Ph.D., Northwestern University.

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NETHERTON, LARRY J.

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PHILIPS, MARVIN J.

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A.A., Lindsay Wilson Junior College;

A.B., Kentucky Christian College;

A.B., Centre College;

A.M., University of Kentucky;

Ph.D., Ohio University.

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VOIGT, FREDERICK M.

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Division of Languages and Literature
Robert A. Charles, Ph.D., Chairman

BARNES, LEWIS W.

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B.S., Louisiana State;
 B.P.H.E., A.M., University of Toronto (Canada);
 LL.B., John Marshall Law School (Georgia);
 A.M., University of Birmingham (England);
 A.M., Ph.D., University of Ottawa (Canada);
 D.Lit., Ph.D., London University (England).
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GLASSER, MARC D.

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ROGERS, JUDY

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At Morehead since 1969.

Department of Philosophy

Franklin M. Mangrum, Ph.D., Head

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M.A., Southern Illinois University.

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LUCKEY, GEORGE M.

Associate Professor

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M.A., University of Kentucky.

At Morehead since 1961.

MANGRUM, FRANKLIN M.

Professor

A.B., Washington University;

Ph.D., University of Chicago.

At Morehead since 1959.



SCHOOL OF

Sciences and Mathematics

Charles A. Payne, Ph.D., Dean

BIOLOGICAL SCIENCES

CHEMISTRY

ENVIRONMENTAL STUDIES

GEOSCIENCE

MATHEMATICAL SCIENCES

PHYSICS

SCIENCE EDUCATION

Leaders in government, labor unions, business, and the professions constantly remind us that each educational institution in the United States must provide quality education in the sciences for its graduates who will become community leaders in the near future. Having accepted this charge, the School of Sciences and Mathematics at M.S.U. has recognized that the problems inherent in meeting the challenge are many and are interlocked, and it is difficult to isolate one from the other. Our approach is to provide (in order of descending priority) the best possible faculty, programs, apparatus and books, and laboratories and classrooms.

FACULTY: Morehead has been fortunate in attracting highly qualified and experienced scientists and mathematicians to her staff. Of the forty-two full-time faculty members in the School at the time of this writing, all hold at least a Masters degree and twenty-two have earned doctorates in his or her field of specialization from nineteen major universities throughout the nation. These persons are active members of national and regional professional and honorary organizations—fifteen hold membership in the Society of the Sigma Xi national honor scientific research society. The first criterion to be met by prospective faculty is the desire to teach and maintain close personal contact with students.

PROGRAMS: Intensive basic courses of study in each major field of science and mathematics, coupled with a broad background in related disciplines, prepare Morehead graduates for professional opportunities in teaching research and technological development and the professions or related fields. Course offerings are varied to meet the general needs of the

non-science oriented student to the specialized requirements of the graduate student. Curricula are reviewed and revised periodically in order to stay abreast of rapidly advancing technologies. Programs are administered by six departments: Biological Sciences, Chemistry, Geoscience, Mathematical Sciences, Physics, and Science Education. The School of Sciences and Mathematics also has a special program in Environmental Studies. The Master of Science degree is offered in the fields of biology, chemistry, and mathematics.

APPARATUS AND BOOKS: The programs of the School would indeed be hampered if there were a lack of adequate materials of good quality with which to work. Considerable sums are expended each year in order to update and expand the school's holdings of instructional supplies, equipment, and books and periodicals for the library. Audio-visual equipment includes overhead projectors, slide and movie projectors, and closed-circuit television. Students have opportunity to use professional research instruments under the personal guidance of competent faculty. Electronic computer facilities are available, and employed, for course work and individual study.

LABORATORIES AND CLASSROOMS: The School of Sciences and Mathematics occupies the modern four-story Lappin Hall of approximately 100,000 square feet of floor area. Classrooms and laboratories are well designed and furnished for comfort and utility. All are provided with modern furnishings to enable students and faculty to pursue their several academic interests in an atmosphere of minimum interference or annoyances.

Associate of Science Degree

Suggested curriculum for the individual who desires a two-year general program with emphasis on the sciences and/or mathematics.

Requirements:

	Sem. Hrs.
English	9
Physical Science	3
Biological Science	3
Mathematics	6
Psychology	3
Health and P.E.	3
Social Sciences	9
Philosophy	3
Electives	4
Electives from two fields in Sciences and/or Mathematics (to be approved by adviser)	21
Minimum for the associate degree	64

The following suggested programs have been devised to help students majoring in the School of Sciences & Mathematics in selecting their courses and making their schedules for the first two years. Courses suggested here, for each program, do not constitute a "full-load"—i.e. certain elective courses may be taken in addition to the required courses shown. (All freshmen and sophomores must have their faculty adviser's approval of their trial schedules before registration each semester.)

COURSES TO BE INCLUDED IN FRESHMAN YEAR CURRICULA

PROGRAM OF STUDIES	English 101/102	Health 150	P. E. Activity	Social Science	Science 105	German 101/102	Ind. Ed. 103	Biology 208/209	Chemistry 111/112	Geoscience	Mathematics (1)	Physics	Education 100 (2)
Biology (Professional) (3)	X		X					X	X		175 275		
Biology	X		X					X	X		141 152		X
Chemistry (Professional) (3)	X		X			X			X		175 275		
Chemistry	X	X	X						X	100	141 152		X
Geology (Professional) (3)	X	X	X						X	100 101	141 152		
Earth Science	X	X	X		X				X	100	141 152		X
Mathematics	X	X	X	X							175 275		X
Physics	X		X		X				X		175 275	170	X
Medical Technology	X	X	X					X	X		131 132		
Pre-Chiropractic	X		X					X	X		141 152		
Pre-Dentistry	X		X	X				X	X		141 152		
Pre-Engineering	X		X				X		X		175 275		
Pre-Medicine	X		X	X				X	X		141 152		
Pre-Optometry	X		X						X		141 152		
Pre-Pharmacy	X	X	X					X	X		141 152		
Pre-Physical Therapy	X							X	X				

NOTES:

(1) Highest placement depends upon score on Mathematics Placement Examination.

(2) Required only for Teaching Certificate.

(3) (*Professional*) Curriculum suggested for students preparing to continue in graduate study or desiring technical employment upon graduation.

COURSES TO BE INCLUDED IN SOPHOMORE YEAR CURRICULA

PROGRAM OF STUDIES	Biology	Chemistry	Geoscience	Mathematics	Physics	Science 105	English	Social Science	Health/P.E.	Humanities Elec.	Education 210 (1)
Biology (Professional) (2)	206 215	326 327		276			X	X	X		
Biology	206 215				201 202		X	X	X	X	X
Chemistry (Professional) (2)		223 330		276	231 232		X		X		
Chemistry		223			201 202	X	X	X		X	X
Geology (Professional) (2)	208		260 261 314				X				
Earth Science	208		101 211		201 202		X	X	X		X
Mathematics				276 304			X	X	X	X	X
Physics				276 310	231 232		X	X	X	X	X
Medical Technology	331 332	223			201 202		X	X	X	X	
Pre-Chiropractic					201 202		X	X	X	X	
Pre-Dentistry	(Typically follow either Biology or Chemistry major.)										
Pre-Engineering				276 363	231 232			X		X	
Pre-Medicine	(Typically follow either Biology or Chemistry major.)										
Pre-Optometry	206 208 209				201 202		X	X		X	
Pre-Pharmacy	215 317	326 327		175	201 202		X	Econ 201		X	
Pre-Physical Therapy					201 202						

NOTES:

(1) Required only for Teaching Certificate.

(2) (*Professional*) curriculum suggested for students preparing to continue in graduate study or desiring technical employment upon graduation.

Department of BIOLOGICAL SCIENCES

David M. Brumagen, Ph.D., Head

The Division of Biological Sciences: (1) offers comprehensive major and minor programs designed to produce quality teachers; (2) provides specialized programs sufficient to produce professional biologists; (3) offers progressive courses of study in the preprofessional programs of medicine, dentistry, medical technology, pharmacy, and chiropractic medicine; and (4) supports other departments, divisions, and institutional programs by offering a variety of courses essential to general and specialized areas of study.



REQUIREMENTS**For an Area of Concentration in Science (Emphasis on Biology) with a Provisional High School Certificate.**

	Sem. Hrs.
Biology 206, 208, 209, 215, 317, 471 and 6 hours electives in advanced biology	22

Additional requirements:

Chemistry 111, 112, 326, and 327	16
Physics 201, 202, and 550	12
Geoscience 510	3
Mathematics 141 and 152 (or equivalent)	6

For a Major in Biology:

	Sem. Hrs.
Biology 206, 208, 209, 215, 304, 317, 380, 471, one field course, and two courses to be selected from the following: 337, 338, 550, 551	31-33

Students who are majoring in biology are also required to earn credits in the following science and mathematics courses:

Chemistry 111 and 112	8
Physics 201 and 202	8
Geoscience 510	3
Mathematics 141 and 152 (or other equivalent)	6

For a Major in Biology: (Recommended for those students planning to pursue graduate studies in Biology).

	Sem. Hrs.
Biology 206, 208, 209, 215, 471, 576, 595 and 14 hours electives in advanced biology	33

Additional requirements:

Chemistry 111, 112, 326, and 327	16
Physics 201 and 202	8
Geoscience 510	3
Mathematics 175, 275, 276, 353, 501	19
Modern foreign language	6

For a Minor in Biology:

	Sem. Hrs.
Biology 206, 208, 209, and 215	11
Approved electives in advanced biology	10
Minimum for a minor	21

Students minoring in Biology are also required to take Chemistry 111 and 112.

For the Master of Science Degree:

Students interested in doing graduate work in biology should consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

SPECIAL PROGRAMS ADMINISTERED BY THE DEPARTMENT OF BIOLOGICAL SCIENCES

Environmental Studies

Current world, national, and regional environmental problems demand that rapid corrective action be taken. Environmental problems are complex and are not confined to one field of study.

The School of Sciences and Mathematics, cognizant of current environmental problems, has developed a program in Environmental Studies. Included in this multidisciplinary program are courses based in the sciences, mathematics, social studies, political science, and philosophy. Although centered on man and his environment, the program is founded in basic ecological and scientific principles.

Career opportunities in environmental studies have increased rapidly nationwide. No longer solely based in Federal or State positions, an environmental science career now takes many forms. Private companies, doing environmental studies for large corporations and various government agencies, represent a major source of employment. Public relations departments of large concerns are also hiring graduates with environmental science backgrounds. Graduates of this program may also find employment as naturalists or outdoor interpreters. With their firm background in the sciences, students can also elect to continue their studies in graduate or professional schools.

Medical Technology

Morehead State University is affiliated with: (1) the School of Medical Technology, Beckley Appalachian Regional Hospital, Beckley, West Virginia; (2) St. Elizabeth's Hospital School of Medical Technology, Covington, Kentucky; (3) Methodist's Evangelical Hospital School of Medical Technology, Louisville, Kentucky; and, (4) Good Samaritan Hospital School of Medical Technology, Lexington, Kentucky. In accordance with this program the student completes three years of prescribed work at Morehead and is then eligible for transfer to the School of Medical Technology at either Beckley or Louisville. During the senior year, courses are taken which are necessary to complete the requirements for a recognized diploma in medical technology. Upon completion of the four-year program, Morehead State University confers upon the candidate the Bachelor of Science degree with an Area in Medical Technology.

CURRICULUM

FRESHMAN YEAR

First Semester

Eng	101	Composition	3
Biol	208	Invert. Zoology	3
Chem	111	General Chemistry I	4
Math	131	General Math OR	
	152	College Algebra	3
Hlth	150	Personal Health	2
PE		Activity	1
			16

Second Semester

Eng	102	Composition	3
Biol	209	Vert. Zoology	3
Chem	112	General Chemistry II	4
Math	131	General Math OR	
	141	Trigonometry OR	
	123	Statistics	3
		Social Science Elective	3
			16

SOPHOMORE YEAR

First Semester

Eng	202	Introduction to Literature	3
Biol	331	Human Anatomy	3
Phys	201	Elementary Physics I	4
Chem	223	Quant. Analysis	4
PE		Activity	1
			15

Second Semester

		Humanities Elective	3
Phys	202	Elementary Physics II	4
Biol	332	Human Physiology	3
		Social Science Elective	3
Psy	154	General Psychology	3
			16

JUNIOR YEAR

First Semester

Chem	326	Organic Chemistry	4
Biol	317	Bacteriology	4
Biol	520	Histology	2
		Humanities Elective	3
		Social Science Elective	3
			16

Second Semester

Biol	338	Vert. Embryology	4
Biol	540	General Parasitology	3
		Humanities Elective	3
		Social Science Elective	3
		Advanced Science Elective (Genetics Recommended)	3
			16

Pre-Dentistry

The Council on Dental Education of the American Dental Association has established minimum requirements for admission to dental schools. Basic requirements are built around the successful completion of two full years of work in an accredited liberal arts and sciences college or university. Minimum course requirements include one year of study in each of the areas of English, biology, physics, general chemistry, and at least one semester of organic chemistry. It is important that all science classes include both lecture and laboratory instruction. Dental schools do not encourage students to apply with such minimal preparation, because the selection of applicants is also based on the demonstration of superior qualifications in personal maturity and academic competence. Three, and preferably four, years of undergraduate preparation are necessary to provide students with those qualifications that will permit entry into dental schools. Pre-dental students should have a good background in sciences and mathematics beyond the minimum requirements and they should also cultivate interests in literature, music, art, speech, languages, social sciences, and psychology. For purposes of scheduling, course selection, and complete preparation for professional school, the pre-dental student must work closely with his faculty adviser.

A student who follows a program that includes the requirements for graduation and enters dental school at the end of his junior year, may, after successfully completing his first year at dental school, transfer his credits to Morehead State University and receive the bachelor's degree.

Pre-Medicine

Most medical schools require a minimum number of specific science courses. Applicants must have completed the following courses prior to entrance: one year each of biology, physics, general chemistry, and organic chemistry. Additional requirements include one year of English and at least one semester of algebra and trigonometry. These specific courses and the successful completion of three years of undergraduate study

represent basic requirements for entrance to medical schools, and it is highly recommended that these requirements be supplemented by additional study in a variety of subject areas. It is desirable, but not essential, that the pre-medical student take advanced courses in chemistry, mathematics, and biology. It is most important that the pre-medical student balance his scientific education with courses selected from the arts, humanities, and social sciences. For purposes of scheduling, course selection, and complete preparation for professional school, the premedical student must work closely with his faculty adviser.

Since specific requirements vary between medical schools, it is essential that the student investigate the requirements of the school of his choice during the first two years of his preparatory program.

Pre-Pharmacy

Students who plan to take a degree in pharmacy should consult the catalog of the school of pharmacy which they plan to attend to be certain that they fulfill the requirements of the chosen school. For purposes of scheduling, course selection, and complete preparation for professional school, the pre-pharmacy student must work closely with his faculty adviser.

Pre-Physical Therapy

Students who plan to take a degree in physical therapy should consult the catalog of the school of physical therapy which they plan to attend to be certain that they fulfill the requirements of the chosen school. For purposes of scheduling, course selection, and complete preparation for professional school, the pre-physical therapy student must work closely with his faculty adviser.

Pre-Chiropractic

The 1968 General Assembly of the Commonwealth of Kentucky passed the resolution (H.B. No. 147) requiring a minimum of 60 semester hours of study in an accredited

college or university as prerequisite to any person becoming eligible for licensure to practice any healing art (including chiropractic medicine). A student who desires to pursue this course of study should consult the catalog of the chiropractic school which he plans to attend.

For purposes of scheduling, course selection, and complete preparation for professional school, the pre-chiropractic student must work closely with his faculty adviser.

DESCRIPTION OF COURSES

NOTE: Field courses are designated with an asterisk (*). (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the course is normally offered: I—fall; II—spring; and III—summer.

Biology 206. Biological Etymology. (0-2-1); I, II.

Root-concepts of terms necessary for a better understanding of the biological sciences.

Biology 207. Biological Illustration. (1-2-2); II.

Techniques of representation with pencil, pen and ink, blackboard, and photography; illustrative procedure for classroom and publication.

Biology 208. Invertebrate Zoology. (2-2-3); I, II.

Basic principles: morphology, physiology, embryology, composition, and metabolism; general characteristics, life histories, taxonomy, ecology, and evolution of the invertebrates.

Biology 209. Vertebrate Zoology. (2-2-3); I, II.

Prerequisite: Biology 208.

General characteristics, anatomy, physiology, taxonomy, ecology, and evolution of the vertebrates.

Biology 215. General Botany. (2-4-4); I, II.

Structure and physiology of vegetative and reproductive plant organs; introduction to plant genetics and plant kingdom in terms of structure, ecology, and evolution.

Biology 217. Elementary Medical Microbiology. (1-4-3); I.

An elementary microbiology course for students interested in a single unit devoted to understanding the characteristics and activities of microorganisms and their relationship to health and disease. Course will not be accepted as credit for biology majors.

Biology 232. Anatomy and Physiology. (3-2-4); I, II.

Prerequisite: Science 105 or equivalent.

Anatomy and physiology of the major systems of the human body. (Not accepted for a major in biology.)

Biology 304. Genetics. (2-2-3); I, II.

Prerequisites: Biology 209 and 215.

Mendelism, chromosomes and heredity, gene theory, cytological and physiological analyses, and population genetics.

Biology 317. Principles of Microbiology. (2-4-4); I, II, III.

Prerequisites: Biology 209 and Chemistry 112.

Identification and classification of bacteria; morphology; distribution of microorganisms; cultivation, observation, methods of examination, and physiology of microorganisms; fermentation and decay; health.

Biology 318. Local Flora. (1-4-3); I.*

Prerequisite: Biology 215.

Identification and classification of plants native to the area. Collection and herbarium techniques.

Biology 320. Basic Microtechniques. (0-4-2); II—on demand.

Prerequisites: Biology 209 or 215 and Chemistry 111.

Techniques for preparing plant and animal tissues for microscopic study; preparation of microscope slides.

Biology 331. Human Anatomy. (3-0-3); I, II, III.

Prerequisite: Science 105 or equivalent.

Human organism with emphasis on gross morphology. Course will not be accepted as credit for the biology major.

Biology 332. Human Physiology. (3-0-3); I, II, III.

Prerequisite: Biology 331.

Physiology of the various systems of the human body as particularly related to exercise. Course will not be accepted as credit for the biology major.

Biology 334. Entomology. (2-2-3); II—on demand.*

Prerequisite: Biology 208.

General structure of insects, life histories, common orders and families; insects in relation to man.

Biology 337. Comparative Anatomy. (2-4-4); I, II.

Prerequisite: Biology 209.

Vertebrate structure based on the recognition of morphological deviation in body plan.

Biology 338. Vertebrate Embryology. (2-4-4); I, II.

Prerequisite: Biology 209.

Vertebrate development from gamete formation through the fetal stage; emphasis on comparative structural development.

Biology 350. Heredity, Evolution, and Society. (3-0-3); I, II.

Prerequisite: Science 105 or equivalent.

See Science 350.

Biology 355. Population, Resources, and Environment. (3-0-3); I, II, III.

Prerequisite: Science 103 and 105 or equivalent.

See Science 355.

Biology 380. General Physiology. (2-2-3); I, II.

Prerequisites: Biology 209, 215, and Chemistry 112. (Chemistry 326 helpful)

Physiology of organisms from the cellular to organismic level. Biological, chemical, and physical aspects of physiological processes.

Biology 471. Seminar. (1-0-1); I, II.

Prerequisite: Senior standing.

Literature in biology; indices and bibliographies in special fields; introduction to research and reporting techniques.

Biology 476. Special Problems. (One to three hours); I, II, III.

Prerequisite: Senior standing.

Advanced work as a continuation of an earlier course; individual research. Topic must be approved prior to registration.

Biology 510. Limnology. (0-4-2); III.

Prerequisites: Biology 209, 215, and Chemistry 112.

Characteristics of fresh water conditions including chemical and physical effects, seasonal changes, thermocline development, and pressure in the ecology of aquatic forms. (Formerly 410G)

Biology 513. Plant Physiology. (2-2-3); I—on demand.

Prerequisites: Biology 215 and Chemistry 327 or equivalent.

Diffusion, osmosis, cell wall and membrane structure, mineral nutrition, photosynthesis, respiration, macromolecules, photoperiodism, and other aspects of plant growth and development. (Formerly 413G)

Biology 514. Plant Pathology. (1-4-3); I—on demand.

Prerequisite: Biology 215.

Plant diseases; classification of fungi; diseases caused by rusts, smuts, fleshy fungi, bacteria, and viruses; physiogenic diseases; principles and procedures in the control of plant diseases; resistant varieties and culture control. (Formerly 414G)

Biology 515. Food Microbiology. (1-4-3); I—on demand.

Prerequisite: Biology 217 or 317.

Microbiology of food production, food spoilage, and food-borne diseases. (Formerly 415G)

Biology 518. Pathogenic Microbiology. (2-2-3); I—on demand.

Prerequisite: Biology 217 or 317.

Microbial diseases of man and animals; host responses to diseases. (Formerly 418G)

Biology 519. Virology. (2-2-3); II—on demand.

Prerequisite: Biology 317, or consent of instructor.

Morphology and chemistry of the virus particle; symptoms, identification, and control of more common virus diseases of plants and animals; host-virus relationships; research methods concerned with viruses. (Formerly 419G)

Biology 520. Histology. (1-2-2); I.

Prerequisite: Biology 209.

Characteristics of tissues and organs of vertebrates. (Formerly 420G)

Biology 525. Animal Physiology. (2-2-3); I—on demand.

Prerequisites: Biology 209 and Chemistry 326 or equivalents. Comparison of fundamental physiological processes in representatives of invertebrate and vertebrate animals. (Formerly 425G)

Biology 534. Ichthyology and Herpetology. (1-4-3); II—on demand.*

Prerequisite: Biology 209.

Anatomy, physiology, taxonomy, adaptations, and natural history of fishes, amphibians, and reptiles; emphasis on groups common to eastern North America. (Formerly 434G)

Biology 535. Mammalogy. (1-4-3); I—on demand.

Prerequisite: Biology 209.

Mammals of eastern North America with emphasis on mammals of southeastern North America. Taxonomy, adaptation, natural history, and methods of skin preparation. (Formerly 435G)

Biology 537. Ornithology. (1-4-3); II.*

Prerequisite: Biology 209.

Anatomy, physiology, classification, and identification of birds; life histories, habits, migration, and economic importance of native species. (Formerly 437G)

Biology 540. General Parasitology. (1-4-3); II.

Prerequisite: Biology 209.

Protozoan, helminth, and arthropod parasites of man and domestic animals; emphasis on etiology, epidemiology, diagnosis, control and general life histories of parasites. (Formerly 440G)

Biology 545. Medical Entomology. (2-2-3); I.

Prerequisite: Biology 334, or permission of the instructor.

Arthropod vectors of diseases with special emphasis on insects of medical importance. Anatomy, physiology, identification, ecology, and control measures. (Formerly 445G)

Biology 550. Plant Anatomy. (2-2-3); I.

Prerequisite: Biology 215.

Gross and microscopic studies of internal and external structures of vascular plants. The cell, meristem, cambium, primary body, xylem and phloem; roots, stems, and leaves; flowers and fruits; ecological anatomy. (Formerly 450G)

Biology 551. Plant Morphology. (2-2-3); II.

Prerequisite: Biology 215.

Fossil and living non-vascular plants (except bacteria) and vascular plants; emphasis on morphology, ecology, and evolution. (Formerly 451G)

Biology 553. Workshop in Environmental Biology. (3-0-3); III.

Prerequisite: Permission of the instructor.

See Science 553.

Biology 561. Ecology. (2-4-4); I.

Prerequisites: Biology 209 and 215.

Energy flow, biochemical cycles, limiting factors, and ecological regulators at the population, community, and ecosystem levels. (Formerly 461G)

Biology 574. Biological Techniques. (1-2-2); II.

Prerequisites: Biology 209 and 215.

Collecting, preserving, and caring for biological materials; rearing and culturing a variety of animals and plants under laboratory conditions; construction and maintenance of laboratory equipment. (Formerly 474G)

Biology 595. Biochemistry I. (2-4-4); I.

Prerequisite: Chemistry 327 or 332 or permission of instructor.

(See Chemistry 595)

Biology 596. Biochemistry II. (2-4-4); II.

Prerequisite: Biology 595.

(See Chemistry 596)

NOTE: The following graduate courses will be offered on demand during the semester indicated.

Biology 601. Biological Concepts. (2-0-2); II.

Selected concepts from various biological sciences; the impact of recent experimentation and discovery on basic biological principles. (Formerly 501)

Biology 604. Modern Theories of Evolution. (2-0-2); I, II.

History of evolutionary thought; classical evidences of evolution; factors involved in speciation and the origin of higher groups. (Formerly 504)

Biology 605. Biology of the Invertebrates. (1-4-3); I.

Major invertebrate phyla; emphasis on their evolution, taxonomy, morphology, physiology, and ecology. (Formerly 505)

Biology 606. Biology of the Vertebrates. (1-4-3); II.

Vertebrate classes; emphasis on their evolution, taxonomy, morphology, physiology, and ecology; local representatives. Field trips required. (Formerly 506)

Biology 608. Taxonomy of Vascular Plants. (2-2-3); I.

Collection, preservation, and classification of vascular plants; emphasis on ecological adaptations and evolutionary trends. (Formerly 508)

Biology 611. Radiation Biology. (1-2-2); II.

Radiation effects on living systems; use of isotopes with respect to techniques used in determining effects on biological systems. (Formerly 511)

Biology 612. Speciation. (2-0-2); I, II.

Species concepts in terms of physiological, and neontological forms of reference; subspecies variation, clines, and reproductive isolation and capacity. (Formerly 512)

Biology 615. Systematic Entomology. (1-4-3); II.

Prerequisites: Biology 334 and permission of the instructor.

Insect orders with emphasis on the classification of insects to family and beyond; taxonomic keys. (Formerly 515)

Biology 617. Mycology. (2-4-4); II.

Morphology, taxonomy, and reproductive physiology of the fungi. (Formerly 517)

Biology 618. Microbial Physiology. (2-4-4); I.

Prerequisites: Biology 317, Chemistry 332 and permission of the instructor.

Advanced concepts in the physiology and cytology of microorganisms. (Formerly 518)

Biology 620. Advanced Plant Physiology. (2-2-3); I.

Prerequisites: Biology 513 and Chemistry 327 (Calculus recommended).

Physiology and biochemistry of green plants; respiratory metabolism, photosynthesis, nitrogen metabolism, terminal oxidation, and energy relationships of the cell. (Formerly 520)

Biology 625. Advanced Genetics. (3-0-3); II.

Discussion and research projects to meet the desires and needs of advanced students. (Formerly 525)

Biology 630. Endocrinology. (2-2-3); I.

Functions of endocrine glands; embryological development and histological characteristics of the endocrine glands. (Formerly 530)

Biology 632. Reproductive Physiology. (2-2-3); II.

Physiological processes of reproduction in domestic animals and man; gonadal functions, endocrine relationships, and fertility problems. (Formerly 532)

Biology 640. Advanced Parasitology. (1-4-3); II.

Parasites other than those of the phylum Arthropoda; the etiology, epidemiology, pathology, diagnosis prophylaxis, and control of parasitic protozoans, cestodes, trematodes, and nematodes. (Formerly 540)

Biology 650. Cellular Physiology. (2-4-4); I—on demand.

Prerequisites: Biology 209 and 215. (Organic Chemistry recommended.)

Generalized cell; biochemistry and biophysics of cell membranes; permeability, diffusion, and osmosis; carbohydrates, lipid, protein, and nucleic acid metabolism; respiration and terminal oxidation; energetics of cellular processes. (Formerly 490G)

Biology 655. Cytology (2-2-3); I—on demand.

Prerequisites: Twelve hours of biology and Chemistry 112.

Cell morphology; biochemistry, genetics and cell developments; the cytoplasm, nucleus, and nucleocytoplasmic relationships. (Formerly 455G)

Biology 671. Seminar. (1-0-1); I, II.

Prerequisite: Graduate Status.

Student and/or faculty reports on individual research, technical papers in scientific journals, recent developments in biology, scientific meetings, or other significant problems in biology. Required of all graduate students in biology. (Formerly 571)

Biology 676. Research Problems. (One to three hours); I, II, III.

Prerequisite: Undergraduate minor in biology or equivalent.

Independent research in biology. Problem must be approved prior to registration. (Formerly 576)

Biology 699. Thesis. (One to six hours); I, II, III.

Prerequisite: Department permission required.

Research and thesis writing. Varying portions of the total credit may be elected to best fit student schedules. (Formerly 599)

Department of CHEMISTRY

Verne A. Simon, Ph. D., Head

The Chemistry Department offers two kinds of majors; the Professional Major for those students committed to becoming practicing chemists, and the Non-professional Major for those wishing to teach in secondary schools or for those who desire strong support in chemistry for other scientific pursuits such as medicine. The Area of Concentration is designed for those students who may have scientifically oriented career objectives which do not fit easily into any other curriculum or who wish a broader scope in preparation for teaching in the secondary schools.



REQUIREMENTS**For an Area of Concentration in Science (Emphasis on Chemistry):**

	Sem. Hrs.
Twenty-four hours in Chemistry	24

Additional requirements:

Biology 208, 209, 215, and three hours elective in advanced biology	13
Physics 201, 202 and 550	12
Geoscience 100	3
Mathematics 141 and 152 (or their equivalent)	6

For a Major in Chemistry (For those students planning to become professional chemists).

	Sem. Hrs.
Chemistry 111, 112, 223, 330, 331, 332, 350, 541, 542, 550, 560, 471 plus one course chosen from Chemistry 351, 476, 595	46-48

Additional requirements:

Mathematics 175, 275, 276	12
Physics 231, 232	10
German 101, 102	6
Advanced technical elective	3-4

This curriculum is designed to meet the standards of the American Chemical Society.

For a Major in Chemistry: (For students who desire a strong background in chemistry; recommended for certification for high school teachers).

Thirty-two hours of chemistry including Chemistry 340 or 541	3
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For a Minor in Chemistry:

Twenty-one hours of chemistry	21
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For the Master of Science Degree:

Students interested in doing graduate work in chemistry should consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Chemistry 100. Basic Chemistry. (3-2-4); II.

(To fulfill the general education science requirement, also recommended for nursing students.)

A survey of chemistry with emphasis on health and life processes.

Chemistry 101. General Chemistry I. (Home Economics, and Agriculture.) (3-2-4); I, II.

Chemistry applied to home economics and agriculture. Atomic theory, oxygen, hydrogen, metals, non-metals, acids, bases, salts, and periodic arrangement of the elements.

Chemistry 102. General Chemistry II. (Home Economics and Agriculture.) (3-2-4); I, II.

Prerequisite: Chemistry 101.

Continuation of Chemistry 101. Major emphasis on introduction to organic chemistry and topics relating to foods, nutrition, and textiles.

Chemistry 111. General Chemistry I. (3-2-4); I, II.

Atomic structure, periodic relations, and electronic structure. States of matter, gas laws, and introduction to the properties of solutions.

Chemistry 112. General Chemistry II. (3-2-4); I, II, III.

Prerequisite: Chemistry 111.

Continuation of Chemistry 111. Kinetics, equilibria, electrochemistry, and descriptive chemistry of selected groups of elements.

Chemistry 223. Quantitative Analysis. (1-6-4); I, II.

Prerequisite: Chemistry 102 or 112.

Principles and practices of volumetric analysis including electrometric titrations.

Chemistry 326. Organic Chemistry I. (3-2-4); I, III.

Prerequisite: Chemistry 102 or 112.

Homologous series of alkanes, alkenes, alkynes, alicyclic compounds, benzenoid compounds, alcohols, phenols, and molecular structure.

Chemistry 327. Organic Chemistry II. (3-2-4); II.

Prerequisite: Chemistry 326.

Continuation of Chemistry 326. Aldehydes, ketones, acids, and compounds of biological interest.

Chemistry 330. Introductory Physical Organic Chemistry. (2-0-2); I.

Prerequisite: Chemistry 112.

Structure, dipole moments, spectra, and electron delocalization of organic molecules. Reaction rates, energetics of organic reactions, and kinetics.

Chemistry 331. Organic Chemistry I. (2-6-5); II.

Prerequisite: Chemistry 330.

Organic stereochemistry, reactive intermediates, conformational analysis, and formation of various functional groups.

Chemistry 332. Organic Chemistry II. (2-6-5); I.

Prerequisite: Chemistry 331.

Organic synthesis, the carbonyl functional groups, aromaticity, mono- and polysaccharides and proteins, and heterocyclic chemistry.

Chemistry 340. Introduction to Physical Chemistry. (3-2-4); I.

Prerequisites: Chemistry 223 and 326, or 331.

Non-calculus approach to concepts of physical chemistry, primarily for the high school teacher; thermodynamics, work, internal energy, free energy, entropy, equilibria, and electro-motive force. (Course does not satisfy requirements for professional chemistry major).

Chemistry 350. Inorganic Chemistry I. (3-0-3); I.

Prerequisite: Chemistry 112.

Electronic structure and bonding in inorganic compounds. Physical properties related to structure and acid-base theories.

Chemistry 351. Inorganic Chemistry II. (2-2-3); II, on demand.

Prerequisite: Chemistry 350.

Complex ion and transition metal chemistry. Introduction to non-aqueous solvents.

Chemistry 471. Seminar. (1-0-1); I, II.

Prerequisite: Senior standing.

Literature in chemistry; indices and bibliographies in special fields.

Chemistry 476. Special Problems. (Two to four hours); I, II, III.

Prerequisite: Senior standing.

Advanced work as a continuation of an earlier course; individual research. Topic must be approved prior to registration.

Chemistry 541. Physical Chemistry I. (3-2-4); I.

Prerequisites: Chemistry 223; Mathematics 275; Physics 202 or 232.

Gases, liquids, and solids; thermodynamics, properties of solutions, thermochemistry; equilibria and electro-chemistry. (Formerly 441)

Chemistry 542. Physical Chemistry II. (3-4-5); II.

Prerequisite: Chemistry 541; Co-requisite: Mathematics 276. Chemical kinetics, quantum theory, molecular structure, and nuclear chemistry. (Formerly 442)

Chemistry 550. Qualitative Organic Analysis. (2-4-4); II.

Prerequisite: Chemistry 326 or 332.

Qualitative analysis of organic compounds; physical and chemical methods. (Formerly 450G)

Chemistry 560. Instrumental Analysis. (1-4-3); II.

Prerequisite: Chemistry 340 or 541.

Theory and practice of instrumental analysis. Opticometric and electrometric methods. (Formerly 460G)

Chemistry 595. Biochemistry I. (2-4-4); I.

Prerequisite: Chemistry 327 or 332 or permission of instructor.

Carbohydrates, lipids, and proteins, intermediary metabolism; protein synthesis, enzymology, blood chemistry, bioenergetics, fluid electrolyte balance, vitamin and steroid chemistry. (Formerly 495G)

Chemistry 596. Biochemistry II. (2-4-4); II.

Prerequisite: Chemistry 595.

Continuation of Biochemistry I. Intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids; function and mechanism of action of enzymes; energetics of living systems, and regulation of life processes. (Formerly 496G)

Chemistry 601. Chemical Thermodynamics. (3-0-3); I.

Thermodynamics and chemical applications. Both classical and statistical approaches are discussed. (Formerly 501)

Chemistry 602. Chemical Kinetics. (3-0-3); II.

Prerequisite: Chemistry 601.

Rate and mechanism of chemical reactions; kinetic theory of reactions, transition, state theory, solvent and salt effects. (Formerly 502)

Chemistry 610. Advanced Organic Chemistry I. (3-0-3); I.
Synthetic methods of organic chemistry including a survey of procedures in the current literature. (Formerly 510)

Chemistry 611. Advanced Organic Chemistry II. (3-0-3); II.
Prerequisite: Chemistry 610.
Mechanisms of organic reactions; stereochemistry, molecular rearrangements, and experimental methods of physical organic chemistry. (Formerly 511)

Chemistry 621. Molecular Structure and Chemical Bonding. (3-0-3); on demand.
A quantum mechanical study of the structure and properties of molecules. (Formerly 521)

Chemistry 631. Advanced Inorganic Chemistry I. (3-0-3); II.
General principles of inorganic chemistry with emphasis on structural theories. Systematic descriptive inorganic chemistry, co-ordination compounds. (Formerly 531)

Chemistry 641. Chemical Spectroscopy. (3-0-3); I.
Spectroscopic methods including infrared, nuclear magnetic resonance, and mass spectroscopy; determination of molecular structure. (Formerly 541)

Chemistry 670. Independent Study in Chemistry. (One to three hours); I, II, III.

Investigation of a special area of chemistry not treated in detail in any course offering. The problem to be studied must be approved by the instructor prior to registration. (Formerly 570)

Chemistry 671. Seminar. (1-0-1); I, II, on demand.
Reports by students, faculty, and visiting speakers on research and topics of current chemical interest. (Formerly 571)

Chemistry 676. Research Problems. (One to three hours); I, II, III.
Independent research in chemistry. Problem must be approved prior to registration. (Formerly 576)

Chemistry 699. Thesis. (One to six hours); I, II, III.
Research and thesis writing. Varying portions of the total credit may be elected to fit best the student's schedule. (Formerly 599)



Department of GEOSCIENCE

Jules R. DuBar, Ph.D., Head

Kentucky is an important mining state, and a significant producer of oil and gas. As such the attention of its residents has been directed to problems related to the exploration for, and the development and conservation of, earth materials. Interest is further stimulated by the fact that the region abounds in excellent examples of geologic phenomena. Thus, aware of the earth about them, many of our students wish to learn more about their planet, and a considerable number wish to pursue careers in Geoscience. Accordingly the Geoscience Department offers programs for prospective earth science teachers, and for those students who wish to become professional geologists.

NOTE: The geology and earth science majors or minors cannot be taken in conjunction with each other.

REQUIREMENTS:

For a Major in Geology: (For students desiring to pursue graduate work in geoscience, or to seek professional careers in industry, state or federal agencies).

	Sem. Hrs.
Geoscience 100, 101, 260, 261, 300, 314, 325, 377, 378, 400, and 471	31

Students who are majoring in geology are required to earn credits in the following sciences and mathematics courses.*

Biology 208	3
Chemistry 111 & 112	8
Mathematics 141 and 152 (or their equivalent)	6
Physics 201 and 202, or Physics 231 or 232	8-10

*It is recommended that students who major in geology and desire to pursue graduate study take one year of foreign language (French, German, or Russian), Mathematics 175, and attend a summer geology field camp approved by the department.

For a Minor in Geology (Will not qualify for high school certification):

	Sem. Hrs.
Geoscience 100, 101, 250, 510, and 400	15
Electives in Geoscience approved by the department	6
Minimum for a minor	21

Students minoring in geology are required to earn credits in the following sciences and mathematics courses:

	Sem. Hrs.
Biology 208	3
Mathematics 141 and 152 (or their equivalent)	6
Any three courses selected from the following: Chemistry 111, 112; Physics 201, 202 or 231, 232	12

For a Major in Earth Science:

	Sem. Hrs.
Science 200	3
Geoscience 100, 101, 250, 510, 400 and 471	16
Agriculture 211	3
Geography 390	3
Electives in Geoscience approved by the department	6
Minimum for a Major	31

Students who are majoring in earth science are required to earn credits in the following sciences and mathematics courses:

	Sem. Hrs.
Biology 208	3
Mathematics 141 or 152 (or their equivalent)	6
Any three courses selected from the following: Chemistry 111, 112, Physics 201, 202, or 231, 232	12-14

For a Minor in Earth Science: (For high school certification, the earth science minor must be taken in conjunction with a major or minor in another science or mathematics).

	Sem. Hrs.
Science 200	3
Geoscience 100, 101, and 400	9
Geography 390	3
Electives in Geoscience approved by the department	6
Minimum for a minor	21

Additional Requirements:

Biology 208	3
Mathematics 141 and 152 (or their equivalent)	6
Any three courses selected from the following: Chemistry 111, 112, Physics 201, 202 or 231, 232	12-14

DESCRIPTION OF COURSES

NOTE: Field courses are designated with an asterisk (*). (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Geoscience 100. Physical Geology. (2-2-3); I, II, III.*

Weathering, erosion, vulcanism, diastrophism, common minerals and rocks, topographic maps, geologic features and processes.

Geoscience 101. Historical Geology. (2-2-3); II.*

Prerequisite: Geoscience 100.

Physical events in the earth's history; structure or sedimentary facies of each major stratigraphic subdivision; fossil record from the Precambrian period.

Geoscience 250. Minerals and Rocks. (2-2-3); I.*

(Geology majors will not receive credit for this course.)

Prerequisite: Geoscience 100.

Principal rock-forming and economic minerals and their occurrence. (Field trips required).

Geoscience 260. Mineralogy I. (1-4-3); I.

Prerequisites: Geoscience 100 and Chemistry 112.

Physical and chemical properties of minerals; crystal models, crystals and chemical methods.

Geoscience 261. Mineralogy II. (1-4-3); II.

Prerequisite: Geoscience 260.

Continuation of Geoscience 260 with a systematic survey of common mineral groups.

Geoscience 300. Petrology. (2-2-3); I.

Prerequisite: Geoscience 261.

Modes of occurrence and origin of igneous and metamorphic rocks in relation to geologic processes; methods of identifying and classifying rocks.

Geoscience 301. Economic Geology I. (Metals). (3-0-3); on demand.*

Prerequisite: Geoscience 250 or 261.

Formations and occurrence of metallic ore deposits. Economic factors affecting the mining industry.

Geoscience 302. Economic Geology II. (Non-metals). (3-0-3); on demand.*

Prerequisites: Geoscience 261 and 300, or Geoscience 250 and consent of instructor.

Formation and occurrence of non-metallic mineral deposits. Methods and equipment used in exploration. Sampling and evaluation of mineral properties. Uses and economic factors.

Geoscience 314. Principles of Stratigraphy. (2-2-3); II.*

Prerequisite: Geoscience 101 or 510.

Geologic correlation of surface and subsurface stratal units; facies analysis and biostratigraphic studies.

Geoscience 325. Structural Geology. (2-2-3); II.*

Prerequisites: Geoscience 101 and Mathematics 141 (or its equivalent).

Mechanical properties of rocks and the dynamics of rock deformation. Folds, faults, joints, cleavage, igneous structures.

Geoscience 350. Geomorphology. (2-2-3); II, III.

Prerequisite: Geoscience 100, or Science 107, or Geography 101.

Land surfaces; topographic form and geologic history; morphologic analysis.

Geoscience 377. Invertebrate Paleontology I. (2-2-3); I.*

Prerequisites: Geoscience 101; Biology 208 or Geoscience 510.
Invertebrate animals, their morphology, classification, paleoecology, phylogeny, and stratigraphic succession.

Geoscience 378. Invertebrate Paleontology II. (2-2-3); II.*

Prerequisite: Geoscience 377.

Continuation of Geoscience 377. Faunal assemblages and research techniques.

Geoscience 381. Principles of Sedimentation. (1-4-3); on demand.*

Prerequisite: Geoscience 101.

Mechanics of sedimentary rocks, with emphasis on chemical and mechanical analysis. Laboratory work based in part on required field studies.

Geoscience 400. Field Methods. (1-4-3); I.*

Prerequisites: 15 hours of geoscience.

Field techniques; use of basic field instruments; collection and organization of samples; measurement of stratigraphic sections.

Geoscience 415. History of Geology. (2-0-2); on demand.

Prerequisites: Six hours of science and junior standing.

Development of geological thought; important men and their contributions to our knowledge of the earth.

Geoscience 471. Seminar. (1-0-1); I.

Prerequisite: Senior standing.

Literature in geoscience; indices and bibliographies in special fields.

Geoscience 476. Special Problems. (One to three hours); I, II, III.

Prerequisites: Eighteen hours in geoscience with a B average and permission of the department head.

Individual research. A research paper stating conclusions of the study is required. Project must be approved prior to registration.

Geoscience 510. Geological History of Plants and Animals. (2-2-3); I.

Prerequisites: Ten hours of Biology, including Biology 208 and 215, or Geoscience 101.

The evolutionary history of plants and animals throughout geological time. (This course cannot be counted toward a degree in geology). (Formerly 310G)

Geoscience 511. Introduction to Geophysics. (2-2-3); on demand.

Prerequisites: Geoscience 325; Physics 202 or 232.

Geophysical phenomena. Limitations and advantages of methods in prospecting and interpretation of data. (Formerly 410G)

Geoscience 513. Micropaleontology. (2-2-3); on demand.*

Prerequisites: Geoscience 510 or 378.

Collection, preparation, microscopic investigation, classification, paleoecology and stratigraphic succession of microfossils. (Formerly 413G)

Geoscience 560. Geological Oceanography. (3-0-3); I.

Prerequisites: Geoscience 101 or 510.

Marine erosion, transportation and deposition, continental shelves, slopes and ocean basins; marine environments. Shoreline processes and analysis. (Formerly 460G)

Geoscience 580. Introduction to Paleobotany. (2-2-3); on demand.*

Prerequisite: Geoscience 101 or 510.

Fossil plants, their origin, morphology, phylogeny and stratigraphic succession. (Formerly 380G)

Geoscience 520. Optical Mineralogy. (2-2-3); on demand.

Prerequisites: Geoscience 261 and Physics 202 or equivalent.

Behavior of light, in isotropic and anisotropic minerals. Identification of minerals with polarizing microscope. (Formerly 420G)

Geoscience 521. Petrographic Methods. (2-2-3); on demand.

Prerequisite: Geoscience 520.

Mineral assemblages and textures in igneous, metamorphic and sedimentary rocks by use of polarizing microscopes; classification by optical properties. (Formerly 421G)

Geoscience 525. Petroleum Geology. (2-2-3); on demand.

Prerequisites: Geoscience 314 and 325.

Origin, migration and accumulation of oil and gas. Exploration methods, reservoir development; logging, testing and completing wells. (Formerly 425G)

Department of MATHEMATICAL SCIENCES

Glenn E. Johnston, Ph.D., Head

The Department of Mathematical Sciences is committed to the education of students who intend (1) to teach mathematics at any level, (2) to apply mathematics in industry or government, or (3) to use mathematical techniques and concepts in their chosen fields of endeavor.

STATEMENT REGARDING PLACEMENT IN MATHEMATICS

Students who have credit for courses in mathematics equivalent to Mathematics 141 and 152, or Mathematics 175 are excused from taking the Mathematics Placement Examination. All other students are required to take the Mathematics Placement Examination prior to enrollment in Mathematics courses numbered above 140 except 231 and 232. This examination is administered to entering freshmen (as a group) at the beginning of each Fall term or it may be taken by individuals at any time at the Office of the Testing Bureau (501 Education Building). The purpose of the examination is to determine the level of mathematical maturity of a student enabling him to begin the study of mathematics at the highest level his background and achievement warrant.



REQUIREMENTS**For a Major:**

	Sem. Hrs.
Mathematics 175, 275, and 471	9
Electives in mathematics above 170 except mathematics 231, 232, and 260	6
Electives in mathematics above 300 as approved by the Head of the Department of Mathematical Sciences ...	15
	30

For a Minor:

	Sem. Hrs.
Mathematics 175, 275	8
Electives in Mathematics above 170 except mathematics 231, 232, and 260	6
Electives in mathematics above 300 as approved by the Head of the Department of Mathematical Sciences	7
	21

For the Master of Science Degree:

Students interested in doing graduate work in mathematics should consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Mathematics 111. Slide Rule. (1-0-1); I, II.

This course does not satisfy general education requirements. Slide rule manipulation and applications.

Mathematics 123. Introduction to Statistics. (3-0-3); I, II.

Basic concepts of probability, sampling, and the algebra of events. Properties of selected discrete and continuous distributions.

Mathematics 131. General Mathematics I. (3-0-3); I, II.

Sets, logic, induction, flow-charting, and number theory.

Mathematics 132. General Mathematics II. (3-0-3); I, II.

Prerequisite: Mathematics 131.

Computers; algebraic sentences; probability; expectation; and statistics.

Mathematics 141. Plane Trigonometry. (3-0-3); I, II.

Prerequisite: Mathematics 152 or consent of the Mathematics Placement Examination Committee. (A sufficiently high score on the Mathematics Placement Examination entitles a student to choose a more advanced course.)

Trigonometric functions, trigonometric identities; inverse functions.

Mathematics 152. College Algebra. (3-0-3) or (5-0-3); I, II, III.

Prerequisite: Consent of Mathematics Placement Examination Committee. (A sufficiently high score on the Mathematics Placement Examination entitles a student to choose a more advanced course.)

Field and order axioms; equations; inequalities; relations and functions; exponentials; roots; logarithms; sequences; probability and statistics.

Mathematics 175. Analytic Geometry and Calculus I. (4-0-4); I, II.

Prerequisite: Satisfactory score on the Mathematics Placement Examination, or Mathematics 141 and 152.

Functions and graphs; linear equalities and inequalities; conic sections; limits and continuity; differentiation and its applications; the definite integral.

Mathematics 231. Mathematics for the Elementary Teacher I. (3-0-3); I, II, III.

(For elementary teachers only.)

Number systems; primes and divisibility; fractions.

Mathematics 232. Mathematics for the Elementary Teacher II. (3-0-3); I, II, III.

(For elementary teachers only.)

Prerequisite: Mathematics 231.

Algebraic sentences; real numbers; geometry of measurement; mathematical systems; methods of presentation of mathematical concepts.

Mathematics 275. Analytic Geometry and Calculus II. (4-0-4); I, II.

Prerequisite: Mathematics 175.

Definite integral with applications; trigonometric and exponential functions; methods and applications of integration; infinite series.

Mathematics 276. Analytic Geometry and Calculus III. (4-0-4); I, II.

Prerequisite: Mathematics 275.

Solid analytic geometry; space and plane vectors; systems of linear equations; matrices; partial differentiation; multiple integration.

Mathematics 304. Mathematical Logic and Set Theory. (3-0-3); I, II.

Propositional calculus; sets; relations; functions; Boolean algebras; cardinality.

Mathematics 310. Calculus IV. (3-0-3); I, II.

Prerequisite: Mathematics 275.

Algebraic and topological properties of the reals; limits and continuity; differentiation; infinite series; Riemann integration.

Mathematics 350. Introduction to Higher Algebra I. (3-0-3); I, II.

Prerequisite: Mathematics 304.

Groups; rings; integral domains; related topics.

Mathematics 351. Introduction to Higher Algebra II. (3-0-3); I, II.

Prerequisite: Mathematics 350 or consent of instructor.

Fields; vector spaces; determinants; matrices; linear transformations.

Mathematics 353. Statistics. (3-1-3); I, II, III.

Prerequisite: Consent of instructor.

Introduction to basic statistics with applications.

Mathematics 363. Differential Equations. (3-0-3); II.

Prerequisite: Mathematics 276.

Special types of first order differential equations; linear differential equations; operator methods; Laplace transforms; series methods; applications.

Mathematics 372. College Geometry. (3-0-3); I, II.

Prerequisite: Mathematics 175.

Rigorous development of elementary geometry as a logical system based upon postulates and undefined terms.

Mathematics 373. Principles and Techniques of Mathematics. (3-0-3); I, II.

Prerequisite: Mathematics 275.

For prospective teachers of secondary mathematics. Material from advanced mathematics extends topics of high school mathematics.

Mathematics 391. Classical Mechanics. (4-0-4); I.

Prerequisites: Mathematics 276 and Physics 232.

Co-requisite: Mathematics 363.

(See Physics 391)

Mathematics 471. Seminar. (1-0-1); I, II.

Prerequisite: Senior standing.

Designed to give the student an introduction to research and literature in mathematics.

Mathematics 476. Special Problems. (One to three hours); I, II, III.

Prerequisite: At least a minor in mathematics and consent of the instructor.

To give the student an opportunity to do advanced work as a continuation of an earlier course. Topic must be approved prior to registration. Credit will vary with the problem.

Mathematics 501. Design and Analysis of Experiments. (3-2-4); III.

Prerequisite: Mathematics 123 or 152.

Basic statistics with applications. Analysis of enumeration data; hypothesis testing; confidence intervals; analysis of variance; correlation; regression. (Formerly 401G)

Mathematics 510. Real Variables. (3-0-3); I.

Prerequisite: Mathematics 310.

Topological properties of Euclidean space; theory of differentiation and integration; sequences and series of functions; metric spaces. (Formerly 410G)

Mathematics 519. Probability. (3-0-3); I.

Prerequisite: Mathematics 275.

A first course in mathematical probability and its applications to statistical analysis. (Formerly 419G)

Mathematics 520. Mathematical Statistics. (3-0-3); II.

Prerequisite: Mathematics 519.

Hypothesis testing and estimation; bivariate and multivariate distributions; order statistics; test of fit; nonparametric comparison of locations; distribution theory. (Formerly 420G)

Mathematics 553. Statistical Methods. (3-0-3); I.

Prerequisite: Mathematics 353 or 501.

A second course in basic statistical methods with applications. Analysis of variance; general regression analysis; hypothesis testing; confidence intervals. (Formerly 453G)

Mathematics 560. Group Theory. (3-0-3); I.

Prerequisite: Mathematics 350.

Structure of groups, isomorphism theorems, Sylow theorems. (Formerly 460G)

Mathematics 573. Projective Geometry. (3-0-3); III.

Prerequisites: Mathematics 372 or consent of instructor.

A synthetic treatment of projective geometry leading into natural homogeneous coordinates; analytic projective geometry; conics; axiomatic projective geometry; some descendants of real projective geometry.

Mathematics 575. Selected Topics. (One to six hours); I, II.

Prerequisite: Consent of instructor.

Topics are offered which meet the needs of the students and which are not otherwise included in the general curriculum. (Formerly 475G)

Mathematics 581. Mathematical Physics. (3-0-3); II.

Prerequisite: Mathematics 363.

(See Physics 581.)

Mathematics 585. Vector Analysis. (3-0-3); I.

Co-requisite: Mathematics 276.

Vector algebra; vector functions of a single variable; scalar and vector fields; line integrals; generalizations and applications. (Formerly 485G)

Mathematics 586. Complex Variables. (3-0-3); II.

Prerequisites: Mathematics 310 or 585, or permission of instructor.

Algebra of complex variables; analytic functions; integrals; power series; residues and poles; conformal mappings. (Formerly 486G)

Mathematics 590. Theory of Numbers. (3-0-3); II.

Prerequisite: Mathematics 275.

Postulates; division algorithm; divisibility; prime numbers; linear and quadric congruencies. (Formerly 490G)

Mathematics 599. Mathematics Curriculum Workshop. (One to six hours); III.

Prerequisite: Consent of instructor.

New curricula developments in mathematics. (Formerly 499G)

Mathematics 605. Advanced Topics. (3-0-3); I.

Prerequisite: Consent of instructor.

Advanced study in some area of mathematics. (Formerly 505)

Mathematics 610. Real Analysis. (3-0-3); II.

Prerequisite: Mathematics 510.

Abstract measure spaces; Lebesgue integration; differentiation theory; classical Banach spaces. (Formerly 510)

Mathematics 650. Higher Algebra I. (3-0-3); I.

Prerequisite: Mathematics 351 or consent of instructor.

Rings, fields, extensions of rings and fields, modules and ideals. (Formerly 550)

Mathematics 651. Higher Algebra II. (3-0-3); II.

Prerequisite: Mathematics 650 or consent of instructor.

Finite dimensional extension fields; Galois Theory; structure theory of fields. (Formerly 551)

Mathematics 670. Research Problems. (One to three hours); I, II, III.

Prerequisite: Consent of instructor.

Individual research in mathematics. The problem to be investigated must be approved prior to registration. (Formerly 570)

Mathematics 675. Selected Topics. (One to six hours); I, II.

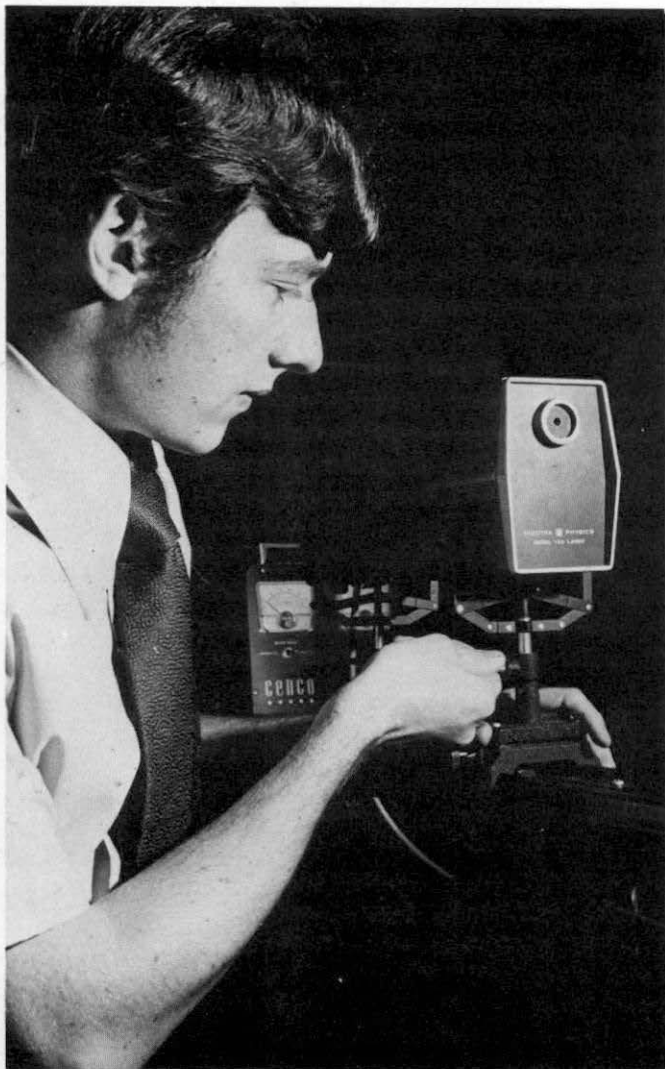
Prerequisite: Consent of instructor.

Topics are offered which meet the needs of students and which are not otherwise included in the general curriculum. (Formerly 575)

Mathematics 699. Thesis. (One to six hours); I, II, III.

Prerequisite: Department permission required.

Research and thesis writing. Varying portions of the total credits may be elected to best fit student schedules. (Formerly 599)



Department of PHYSICS

Russell M. Brengelman, Ph. D., Head

Physics is fundamental to the study of the laws which govern the behavior of all nature and hence contributes to the foundations for chemistry, biology, geology, and engineering. The physics department provides a complete undergraduate curriculum which is flexible enough to permit graduates a choice of careers in applied research, teaching of physics in secondary schools, or of pursuing graduate study. Undergraduates may share in the exciting process of scientific investigation by participating in, and contributing to, faculty research. All science and mathematics majors are encouraged to consider minoring in physics in order to broaden their research or teaching capabilities.

REQUIREMENTS**For a Major in Physics:**

	Sem. Hrs.
Physics 231*, 232*, 332, 340, 341, 352, 391, 471, 593	29
Electives in physics, 400-level	3
	32

For a Major in Physics: (For those students desiring to teach Physics in secondary schools).

	Sem. Hrs.
Physics 231*, 232*, 340, 550, 352, 574, 471	24
Electives in physics, 300-level or above	6
	30

All physics majors are also required to complete the following:

	Sem. Hrs.
Mathematics 175, 275, 276	12
Mathematics elective, 300-level or above	3
Chemistry 111 and 112	8
	23

For a Minor in Physics:

	Sem. Hrs.
Physics 231*, 232*	10
Physics electives, 300-level or above, as approved by the Department	11
	21

*Physics 201, 202, and 212 may be substituted for Physics 231 and 232. (Substitution is recommended only to students who decide to minor or major in physics after completing Physics 201 and 202.)

SPECIAL PROGRAMS ADMINISTERED BY THE DEPARTMENT OF PHYSICS:**Pre-Engineering**

The two-year pre-engineering program at Morehead State University is designed to provide a student with a basic background in mathematics, chemistry, physics, and English. A student is admitted, with junior standing, to most engineering schools when he has completed the following pre-engineering requirements:

- (a) One year of English Composition
- (b) Mathematics through the first course in differential equations.
- (c) One year of General College Chemistry.
- (d) One year of University Physics which requires a knowledge of calculus.

Entering freshmen who have *not* had four years of high school mathematics, including two years of algebra and one semester of trigonometry, should consider enrolling for the summer term immediately following high school graduation. Based on mathematics placement tests, such students usually need to take college algebra and/or trigonometry before beginning the calculus sequence. Enrolling early reduces their delay in completing the pre-engineering requirements.

All pre-engineering students receive individual guidance in planning a suitable program of studies.

Pre-Optometry

The Commonwealth of Kentucky has approved a financial plan to aid in the support of several students in pursuing the optometry program at the University of Houston. The pre-optometry program at Morehead State University is designed to meet entrance requirements at the University of Houston School of Optometry and is generally accepted at other universities.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Physics 170. Perspectives in Modern Physics. (1-0-1); I.

Non-technical presentation of frontier research efforts in Physics. Quantum mechanics, atomic and nuclear models, laser, biophysics, and relativity. Influence of physics research on the individual and society. Recommended for all freshmen considering majoring or minoring in physics.

Physics 201. Elementary Physics I. (3-2-4); I, II, III.

Prerequisite: Working knowledge of algebra and trigonometry. Mechanics and heat. Newton's laws of motion, energy and momentum, and heat transfer.

Physics 202. Elementary Physics II. (3-2-4); I, II, III.

Prerequisite: Physics 201.
Electricity and magnetism, light, nuclear and atomic physics.

Physics 212. General Physics Problems. (2-0-2); I, II.

Prerequisites: Physics 202 and Mathematics 275.
Selected problems from University Physics. Application of elementary calculus to the solution of general physics problems. (This course is designed exclusively for students who have completed Physics 201 and 202, and are interested in taking additional upper-division physics courses. For courses for which Physics 231 and 232 are the recommended prerequisites, the sequence Physics 201, 202, and 212 is acceptable in lieu of Physics 231 and 232.)

Physics 231. University Physics I. (4-2-5); I.

Co-requisite: Mathematics 275.
Introduction to physics for scientists and engineers. Statics, kinetics and dynamics of linear and rotational motion; gravitational fields; thermal properties of matter and heat transfer.

Physics 232. University Physics II. (4-2-5); II.

Prerequisite: Physics 231.
Co-requisite: Mathematics 276.
Electromagnetism, optics, atomic and nuclear physics.

Physics 332. Electricity and Magnetism. (4-0-4); II.

Prerequisite: Physics 232.
Classical electricity and magnetism; Maxwell's equations, Lorentz force equation; electrodynamics, electrostatics, and magnetostatics; circuit theory, electromagnetic waves and radiating systems.

Physics 340. Experimental Physics I. (0-4-2); I.

Prerequisite: Physics 232.
Selected experiments in mechanics, electricity and magnetism, and optics. The computer is utilized in analyzing data.

Physics 341. Experimental Physics II. (0-4-2); II.

Prerequisite: Physics 232.
Selected experiments in atomic and nuclear physics. Computer analysis of experimental data is treated.

Physics 352. Concepts of Modern Physics. (3-0-3); I.

Prerequisite: Physics 232.
Special relativity, quantum mechanics, atomic and molecular structure, solid state, and nuclear physics.

Physics 361. Fundamentals of Electronics. (1-4-3); III.

Prerequisites: Physics 202 or 232.
Laboratory oriented electronic principles, components, basic circuits, servo systems, amplifiers, feedback control and digital circuits; transistor and vacuum tube devices.

Physics 391. Classical Mechanics. (4-0-4); I.

Prerequisite: Physics 232.
Vector analysis; statics and dynamics of particles and rigid bodies; oscillations; Lagrangian and Hamiltonian formulations.

Physics 410. Solid State Physics. (3-0-3); on demand.

Prerequisite: Physics 352.

Lattice dynamics, electrons in metals, semi-conductors, and dielectric and magnetic properties of solids.

Physics 411. Thermodynamics and Statistical Mechanics. (3-0-3); on demand.

Prerequisite: Physics 232.

A unified thermodynamics and statistical mechanics. Quantum systems, entropy, thermodynamic laws kinetic theory, Fermi-Dirac and Bose-Einstein distributions.

Physics 412. Light and Physical Optics. (3-0-3); on demand.

Prerequisite: Physics 232.

Dualistic nature of light; interference, refraction, reflection, diffraction, polarization, laser action, and spectra.

Physics 441. Experimental Physics III. (0-4-2); II.

Prerequisites: Physics 232 and consent of the instructor.

Individual research in experimental physics under the direction of a member of the physics faculty. Problems selected from solid state, nuclear, and radiation physics.

Physics 452. Nuclear Physics. (3-0-3); on demand.

Prerequisite: Physics 232.

Binding energies, nuclear forces, transmutation of nuclei; natural and artificial radioactivity, etc.

Physics 471. Seminar. (1-0-1); I, II.

Prerequisite: Senior standing.

Literature in physics; indices and bibliographies in special fields.

Physics 476. Special Problems. (One to three hours); I, II, III.

Prerequisites: Physics 212 or Physics 232, and consent of instructor. Topic to be approved prior to registration.

Physics 481. Mathematical Physics. (3-0-3); II.

Prerequisite: Mathematics 276.

Series solutions of differential equations, Legendre polynomials, Bessel functions, partial differential equations, integral transforms, and applications of mathematics to physical problems.

Physics 550. Radiation Physics. (3-2-4); II.

Prerequisite: Physics 202 or Physics 232.

Atomic and nuclear structure, radioactivity, detection and analysis of nuclear radiations; applications of radioisotopes, and radiological health physics. (Formerly 350G)

Physics 574. Principles and Techniques of Physics. (2-4-4); I.

Prerequisite: Physics 202 or Physics 232.

For prospective teachers of high school physics; Harvard Project Physics, PSSC. (Formerly 374G)

Physics 593. Quantum Mechanics. (3-0-3); I.

Prerequisite: Physics 391 or consent of the instructor.

The wave function; Hermitian operators and angular momentum; Schrodinger's equation, barriers, wells, harmonic oscillators, and the hydrogen atom. (Formerly 493G)

Physics 676. Research Problems. (One to three hours); on demand.

Prerequisite: Consent of the instructor.

Independent research in physics under the direction of a member of the physics faculty. Research interests of the faculty include physics education, solid state physics, nuclear, and theoretical physics. The problem must be approved in advance of registration. (Formerly 576)

Department of SCIENCE EDUCATION

William R. Falls, Ed. D., Head

Many science and non-science majors enrolled at the University have not had ample opportunity to develop an understanding of science; its nature and its processes. There is a genuine awareness at Morehead State University of the necessity to increase the degree of scientific literacy of each student as science moves to the forefront in everyday life. Numerous courses, available in all major scientific disciplines, are designed to diminish this deficiency in the non-science oriented student as well as for those students pursuing majors in biology, chemistry, geology, or physics.

For a Minor in Integrated Science

Science 103, 105, 551, 552, and
twelve additional hours of
Electives approved by the Department of
Science Education 24

Sem. Hrs.

DESCRIPTION OF COURSES

(Courses in this section are recommended for non-science majors in meeting the general education requirements).

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the course is normally offered: I—fall; II—spring; and III—summer.

Honors Seminar in Sciences and Mathematics. (3-0-3); I, II.

A study of current environmental problems and issues, and possible solutions to these problems. In future semesters the topics and times may vary.

Science 103. Introduction to Physical Sciences. (3-0-3); I, II, III.

Measurements, states of matter, nature and processes of physical sciences. Topics from chemistry, physics and astronomy.

Science 105. Introduction to Biological Sciences. (3-0-3); I, II, III.

Fundamental life processes; photosynthesis, respiration, reproduction, growth, evolution. Emphasis on man.

Science 107. Introduction to Geosciences. (3-0-3); I, II, III.

A general survey of Earth: its astrogeological setting, the fluid portion, its solid part, its active processes, its history, the role of geology in preserving Earth's resources.

Science 200. Descriptive Astronomy. (3-0-3); I, II, III.

A non-mathematical presentation of methods and results of astronomical exploration of the solar system, our stellar system and the galaxies.

Science 350. Heredity, Evolution, and Society. (3-0-3); I, II.

Prerequisite: Science 105 or equivalent.

Evolutionary processes and intricacies of genetic transmission. Evolution in human thought, experience, and affairs.

Science 355. Population, Resources, and Environment. (3-0-3); I, II, III.

Prerequisite: Science 103 and 105 or equivalent.

Human ecology with special emphasis on relationships between man, his resources, and his environment.

Science 551. Plant Natural History. (3-0-3); II, III in odd years.

Prerequisite: Science 105 or equivalent.

Field approach to the survey of major taxonomic groups, with emphasis on the natural history of local plants. (Formerly 395G)

Science 552. Animal Natural History. (3-0-3); I, III in even years.

Prerequisite: Science 105 or equivalent.

Field approach to the survey of major taxonomic groups, with emphasis on the natural history of local animals. (Formerly 396G)

Science 553. Workshop in Environmental Biology. (3-0-3); III.

Prerequisite: Permission of the instructor.

Regional distribution and reserve depletion of wildlife, forest, land, water, air, and mineral resources; emphasis on pollution and environment. (Especially designed for in-service, and future teachers). (Formerly 360G)

Science 570. Earth Science. (3-0-3); I, II, III.

Prerequisite: Permission of instructor.

Basic fundamentals of the earth sciences. (Formerly 375G)

Science 580. History of Science. (3-0-3); I, II, III.

Prerequisite: Six hours of science credit.

Development of scientific traditions, discoveries, and concepts from the time of ancient Egypt to the present. (Formerly 385G)

Science 590. Science for the Elementary Teacher. (2-2-3); I, II, III.

Prerequisite: Twelve hours of science or mathematics credit. Admission to the Teacher Education Program.

A study of teaching scientific concepts to elementary children. (Formerly 390G)

Science 592. Science for the Secondary Teacher. (2-2-3); II, III.

Prerequisite: Permission of instructor. Admission to the Teacher Education Program.

Concepts of teaching high school science with emphasis on curriculum innovations. (Formerly 376G)

Science 676. Research Problems. (One to six hours); I, II, III.

Prerequisite: Open to graduate students seeking an advanced degree.

Independent research in science. (Problem must be approved by the Department of Science Education prior to registration). (Formerly 576)

**FACULTY, SCHOOL OF SCIENCES
AND MATHEMATICS**

Charles A. Payne, Ph.D., Dean

Department of Biological Sciences
David M. Brumagen, Ph. D., Head

BARBER, WOODROW W.
Assistant Professor
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At Morehead since 1961.

BRUMAGEN, DAVID M.
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B.S., M.S., Ph.D., University of Kentucky.
At Morehead since 1965.

BUSROE, FRED M.
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B.S., Lincoln Memorial University;
M.A., University of Virginia.
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M.A., Morehead State University.
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HEASLIP, MARGARET B.
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B.S., M.S., Ph.D., Ohio State University.
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HOWELL, JERRY F., JR.
*Associate Professor and
Director of Environmental Studies*
B.S.F., B.S.W.M., North Carolina State University;
M.S., Eastern Kentucky University;
Ph.D., University of Tennessee.
At Morehead since 1972.

LAKE, ALLEN L.
Associate Professor
B.S., Edinboro State College;
Ed.M., University of Buffalo.
At Morehead since 1957.

MEADE, LESLIE E.
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PASS, TED, III

Assistant Professor

B.S., M.S., Morehead State University;
Ph.D., Virginia Polytechnic Institute and
State University.

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PRYOR, MADISON E.

Professor

A.B., B.S., M.A., Morehead State University;
Ph.D., University of Tennessee.

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SAXON, DAVID J.

Associate Professor

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Ph.D., Southern Illinois University.

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SETSER, HOWARD L.

Associate Professor

B.S., M.A., Morehead State University;
M.S., Kansas State University.

At Morehead since 1964.

SPEARS, JAMES R.

Associate Professor

B.S., Western Kentucky University;
M.S., Ph.D., University of Kentucky.

At Morehead since 1965.

Department of Chemistry

Verne A. Simon, Ph.D., Head

JENKINS, CHARLES J.

Associate Professor

B.S., M.S., Auburn University.

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PAYNE, CHARLES A.

Professor

B.S., M.S., Ph.D., Auburn University.

At Morehead since 1966.

PAYNE, LAMAR B.

Professor

B.S., M.S., Auburn University;
Ph.D., University of Alabama.

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PHILLIPS, TONEY C.

Associate Professor

A.B., Athens College;
M.A., Peabody College.

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SIMON, VERNE A.

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B.S., University of Toledo;
M.S., Purdue University;
Ph.D., Florida State University.

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Department of Geoscience
Jules R. DuBar, Ph.D., Head

CHAPLIN, JAMES R.
Associate Professor
 B.S., Cornell College (Iowa);
 M.S., University of Houston.
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DuBAR, JULES R.
Professor
 B.S., Kent State University;
 M.S., Oregon State University;
 Ph.D., University of Kansas.
 At Morehead since 1967.

HYLBERT, DAVID K.
Assistant Professor
 B.S., M.S., Ohio University.
 At Morehead since 1963.

PHILLEY, JOHN C.
Associate Professor
 B.S., Millsaps College (Miss.);
 M.A., Ph.D., University of Tennessee.
 At Morehead since 1960.

Department of Mathematical Sciences
Glenn E. Johnston, Ph.D., Head

BURTON, I. LEON
Assistant Professor
 B.S., M.A., Morehead State University.
 At Morehead since 1967.

COOPER, LAKE C.
Associate Professor
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 At Morehead since 1956.

FLORA, BEN, JR.
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 B.S., Eastern Kentucky University;
 M.A., George Peabody College for Teachers;
 M.S., University of Illinois;
 Ph.D., Ohio State University.
 At Morehead since 1972.

FRYMAN, JOHNNIE G.
Assistant Professor
 A.B., Morehead State University;
 M.M., University of South Carolina.
 At Morehead since 1969.

HAMMONS, CHARLES RODGER

Assistant Professor

A.B., Transylvania College;

M.S., Ph.D., University of Kentucky.

At Morehead since 1971.

JOHNSTON, GLENN E.

Associate Professor

B.S., North Texas State University;

M.S., Ph.D., Texas Tech. University.

At Morehead since 1969.

JONES, CHARLIE L.

Assistant Professor

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At Morehead since 1962.

LINDAHL, ROBERT J.

Associate Professor

A.B., University of Minnesota;

Ph.D., University of Oregon.

At Morehead since 1970.

MAHANEY, NELL F.

Assistant Professor

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At Morehead since 1963.

MANN, JAMES D.

Assistant Professor

B.S., Morehead State University;

M.M., University of South Carolina.

At Morehead since 1966.

MOORE, DIXIE M.

Assistant Professor

A.B., University of Kentucky;

M.A., Marshall University.

At Morehead since 1963.

MUSE, HENRY DAVID

Assistant Professor

B.S., Florence State University;

M.A., University of Arkansas.

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NOLEN, GORDON

Assistant Professor

B.S., Morehead State University;

M.M., University of South Carolina;

M.S., University of Kentucky.

At Morehead since 1967.

TUCKER, DAVID S.

Instructor

A.B., Kansas State University;

M.A., Michigan State University.

At Morehead since 1969.

Department of Physics

Russell M. Brengelman, Ph.D., Head

BRENGELMAN, RUSSELL M.

Associate Professor

B.S., Auburn University;

M.S., Ph.D., Georgia Institute of Technology.

At Morehead since 1967.

CUTTS, DAVID R.

Associate Professor

A.B., David Lipscomb College;

M.S., Ph.D., University of Tennessee.

At Morehead since 1968.

WHIDDEN, CHARLES J.

Associate Professor

B.S., Georgia Institute of Technology;

Ph.D., Virginia Polytechnic Institute.

At Morehead since 1968.

Department of Science Education

William R. Falls, Ed. D., Head

ESHAM, MAURICE E.

Assistant Professor

B.S., M.A., Morehead State University.

At Morehead since 1968.

FALLS, WILLIAM R.

Associate Professor

B.S., Rio Grande College (Ohio);

M.A., Marshall University;

Ed.D., Indiana University.

At Morehead since 1961.

FIEL, RONALD L.

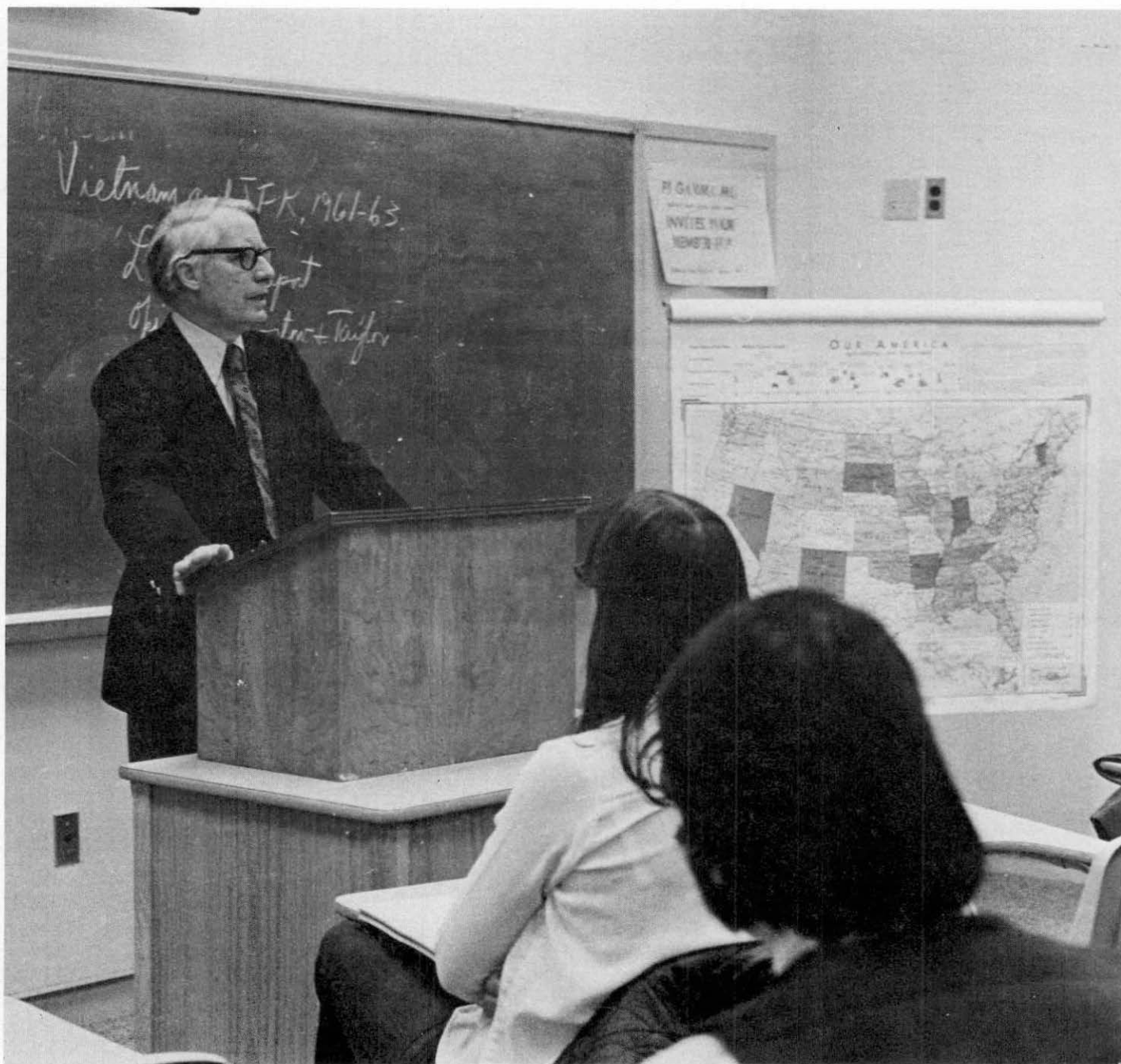
Assistant Professor

B.S., Kansas State College;

M.S., Kansas State Teachers College;

Ed.D., Indiana University.

At Morehead since 1972.



SCHOOL OF

Social Sciences

Roscoe L. Playforth, Ed.D., Dean

GEOGRAPHY

HISTORY

POLITICAL SCIENCE

SOCIOLOGY

The School of Social Sciences consists of the Departments of Geography, History, Political Science, and Sociology. Baccalaureate degree programs are offered by each of these departments and a masters degree program is offered in History. Master's degree programs have been approved for Political Science and Sociology. These programs are expected to be implemented during the 1973-75 biennium.

The School of Social Sciences provides required service courses in the area of General Education for all undergraduates at Morehead State University. In this role the School of Social Sciences teaches twelve semester hours of social science which must be selected from at least two of the Social Science departments.

The School of Social Sciences provides, through the Department of Political Science, a number of internship programs (Legislative and Administrative internships in state Government). The Department also offers an interdisciplinary major in Urban Affairs.

The Department of Sociology offers a four-year undergraduate program in Social Welfare. This is a combined major in Sociology and Social Welfare designed to train, at the baccalaureate level, service personnel for the social service agencies as well as certified school social workers.

The School also offers a 57-semester hour interdisciplinary area of concentration in the Social Sciences. These special programs and the regular departmental majors and minors are listed and defined under the departments in the following pages.

The social sciences are an excellent base for advanced study in schools of law, schools of diplomacy and international relations, and schools of social welfare as well as in graduate schools in the areas in which the students may choose to major.

The following suggested program has been devised to help students plan the area of concentration in the School of Social Sciences and in selecting their courses and making their schedules for the first two years. All students are urged to seek faculty advice; freshmen and sophomores must have their faculty adviser's approval of their trial schedules before registration each semester.

Area of Concentration in Social Sciences

REQUIREMENTS

	Sem. Hrs.
Economics 201—Principles I	3
Economics 202—Principles II	3
Geography 100—Fundamentals	3
Geography 211—Economic Geography	3
History 131—World Civilization I	3
History 132—World Civilization II	3
History 241—U.S. of America 1492-1865	3
History 242—U.S. of America Since 1865	3
Advanced additional credit in History	9
Political Science 141—Government of U.S.	3
Political Science 242—State and Local Gov't	3
Sociology 101—General Sociology	3
Sociology 505—Sociological Theory	3
Advanced electives from either Geog., Pol. Sci., or Sociology	12
Total	57

SUGGESTED PROGRAM

The following program outline has been devised to help students in selecting their courses and arranging their schedules. These schedules need not be followed specifically from semester to semester but close adherence to them will aid students in meeting the requirements for graduation.

FRESHMAN YEAR

First Semester

Eng		Composition	3
PE		Activity Course	1
Sci		Physical Science	3
Geog	100	Fund. of Geog.	3
Hist	131	World Civilization I	3
Hlth		Health	2
		Elective	2
			17

Second Semester

Eng		Composition	3
PE		Activity Course	1
Sci		Biological Sci.	3
Ed	100	Orientation in Ed.	1
Hist	132	World Civil. II	3
PS	141	Govt. of the U.S.	3
		Elective	3
			17

SOPHOMORE YEAR

First Semester

Eng		Literature	3
Hist	241	U.S. 1492-1865	3
Soc	101	General Sociology	3
Econ	201	Prin. of Econ. I	3
PS	242	State & Local Govt.	3
		Elective	2
			17

Second Semester

Geog	211	Economic Geography	3
Hist	242	U.S. Since 1865	3
Ed	210	Hum. Gr. & Develop I	3
Econ	202	Pr. of Econ. II	3
		Math Elective	3
		Elective	2
			17

Department of GEOGRAPHY

John P. Gartin, M.A., Head

Geography is basically concerned with the patterns of man's distribution over and use of the earth, why he uses it differently in different places or at different times, and how this relates to the whole of his cultures.

The Department offers a 30-semester hour major and a 21-semester hour minor. Considerable election is granted the student, with the requirement that he choose from courses in systematic and regional geography.

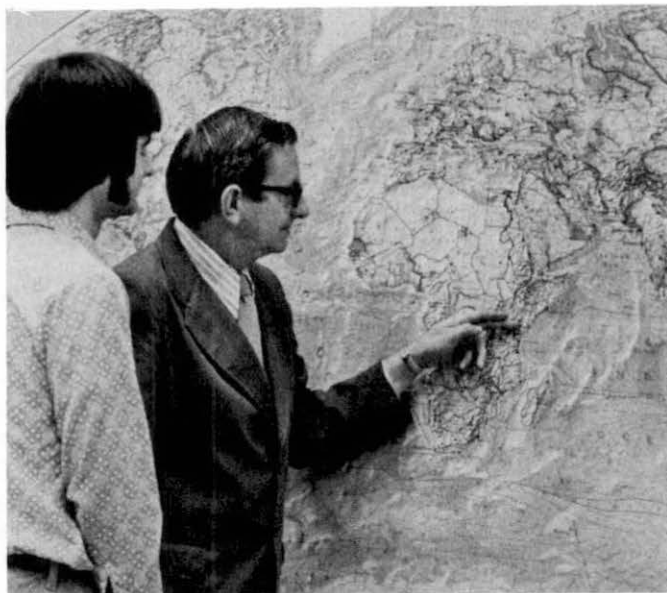
REQUIREMENTS

For a Major:

	Sem. Hrs.
Geography 100, 101, 211, and 241	12
Electives in Systematic Geography	9
Electives in Regional Geography	9
Minimum for a Major	30

For a Minor:

Geography 100, 101, 211, and 241	12
Elective in Systematic Geography	3
Other Geography Credit	6
Minimum for a Minor	21



SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and making their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

*Provisional High School Certificate with Major in Geography.

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci		Physical Science	3
Geog	100	Fundamentals of Geog.	3
		Social Sciences Elective	3
		Minor	3
			16

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci		Biological Sci.	3
HLth		Health	2
Geog	101	Physical Geog.	3
Ed	100	Orientation in Ed.	1
		Minor	3
			16

SOPHOMORE YEAR

First Semester

Eng		Literature	3
Geog	211	Econ. Geography	3
		Math Elective	3
		Minor	3
		Social Sciences Elective	3
			15

Second Semester

		Humanities Elective	3
Geog	241	Anglo—America	3
		Sci. or Math Elective	3
Ed	210	Human Growth & Devel.	3
		Minor	3
			15

*If teacher certification is not desired, consult your advisor.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally offered: I—Fall Semester, II—Spring Semester and III—Summer Term.

Geography 100. Fundamentals of Geography. (3-0-3); I, II, III.
Man's varied responses and adjustments to his natural and cultural environment; human activity within major regions of the world. Basic to further study in geography.

Geography 101. Physical Geography. (2-1-3); I, II, III.
Physical elements of the earth and their distribution; weather, climate, landforms, earth materials, water resources and natural vegetation analyzed and interpreted as elements of human habitation; correlated field trips and laboratory studies.

Geography 211. Economic Geography. (3-0-3); I, II, III.
World commodities and their regional distribution. Analysis of land uses, agriculture, manufacturing, and extractive industries against a background of natural and cultural environments; consideration of economic factors in current international affairs.

Geography 241. Anglo-America. (3-0-3); I, II, III.
Major land-use regions of the United States and Canada, their physical and cultural landscapes.

Geography 300. Regional Geography. (3-0-3); I, II, III.
Planned primarily to guide the elementary teacher toward an understanding of the nature of regional geography. Brief regional description of the earth's surface, including both man-made and natural features.

Geography 310. Australia. (3-0-3); I.
Resources of Australia, New Zealand, and islands of the Pacific; significance of position and political connections of these lands.

Geography 319. Middle America. (3-0-3); II.
Mexico, the Central American Republics, and the islands of the Caribbean; emphasis upon cultural and historical traditions.

Geography 320. South America. (3-0-3); I.
Regional analysis on national and continental basis with treatment of the physical, cultural, and economic characteristics; stress upon prospects of expansion for settlement, development of resources, and growth of industries.

Geography 328. Africa. (3-0-3); I.
Resources, both natural and cultural; changing political conditions and affiliations of African countries; recognition of, and reasons for, the growing importance of this continent in world affairs.

Geography 331. Europe. (3-0-3); I, II.
Geographic factors in the economic, social, and political structure of Europe; emphasis on natural regions, resource distribution, and industrial development.

Geography 341. Appalachia. (3-0-3); I.
A geographic analysis of the various physical and human elements of the Appalachian Highlands. Emphasis is placed on the relationship of the physical environment to man's activities in the region.

Geography 344. Kentucky. (2-0-2); I.
Physiographic divisions and subdivisions; interpretations of natural features; occupations and land use; a survey of political units and consideration of traditions and potentialities.

Geography 344a. Kentucky Field Studies. (0-0-1). I.
Prerequisite: Enrollment in Geography 344.
Selected readings; observation trips with directed investigations and written geographical interpretations.

***Geography 349. Cartography I. (3-0-3); I, II.**

History of map-making; properties and qualities of maps; characteristics of map projections; construction of basic projections.

***Geography 350. Cartography II. (3-0-3); II.**

Prerequisite: Geography 349.

Selection of source material for the base and body of the map; mechanical reproduction; construction of complex projections; basic aerial photo interpretation.

***Geography 360. Physiography of the United States. (3-0-3); I.**

Prerequisites: Physical Geography or Geology.

Description and detailed analysis of the physiographic provinces. An explanation and interpretation of surface features and their evolution.

Geography 375. The Teaching of Social Studies. (3-0-3); I, II.
(See History 375.) (Does not count in major or minor.)**Geography 383. Asia. (3-0-3); II.**

The man-land relations characterizing this large and diverse region. An evaluation of a continent in the midst of change in terms of geographic potentials.

***Geography 390. Weather and Climate. (3-0-3); I, II.**

Introduction to the physical elements of weather and climate; classifications of types and their distribution, with particular reference to the effects of climate on the earth's physical and cultural landscapes.

Geography 500. Soviet Union. (3-0-3); I.

Systematic and regional study, with special attention given to the resource base. Appraisal of the agricultural and industrial strength of the country; consideration of the effects of governmental policy and economic growth. (Formerly 400G)

*Indicates Systematic Geography Courses.

***Geography 505. Conservation of Natural Resources. (3-0-3); on demand.**

Natural resources basic to human welfare; emphasis on lands, water, minerals, forests, and wildlife including their interrelationships. (Formerly 405G)

***Geography 510. Urban Geography. (3-0-3); II.**

Origin and development of cities, urban ecology, central place theory, functional classifications, and a consideration of site, situation, and land utilization of selected cities. (Formerly 410G)

Geography 515. Seminar. Geography Field Tour. (0-0-3); on demand.

Geographic reconnaissance of selected regions. Directed reading and briefing sessions followed by lecture and observation in the field; interpretation and analysis for a written report. (Formerly 415G)

***Geography 540. World Manufacturing. (3-0-3); on demand.**

Interpretive analysis of the distribution and function of selected manufacturing industries; location theory; trends in regional industrial changes. (Formerly 440G)

***Geography 590. Advanced Meteorology. (3-0-3); II.**

Prerequisite: Geography 390.

Weather elements; emphasis on meteorological skills; application to industrial, aviation, maritime, and military needs. (Formerly 490G)

Geography 600. Political Geography. (3-0-3); on demand.

Recognition of content and concepts of political geography; basic factors in evaluating strength of a nation; application of these understandings to world political patterns. (Formerly 500)

*Indicates Systematic Geography Courses.

Geography 601. Special Problems. (3-0-3); on demand.

Prerequisite: Permission of the instructor.

Supervised, comprehensive investigation of selected problems in the field of geography. (May be repeated for a maximum of six hours. Formerly 501).

Geography 623. Southeast Asia. (3-0-3); on demand.

Geopolitical, socio-economic, and resource potential problems of the countries of Southeast Asia. (Formerly 523)

Geography 629. The Mediterranean. (3-0-3); on demand.

The Mediterranean Sea as a focal point of Western culture; emphasis on the related areas of three continents: Southern Europe, Northern Africa, and Southwestern Asia. (Formerly 529)

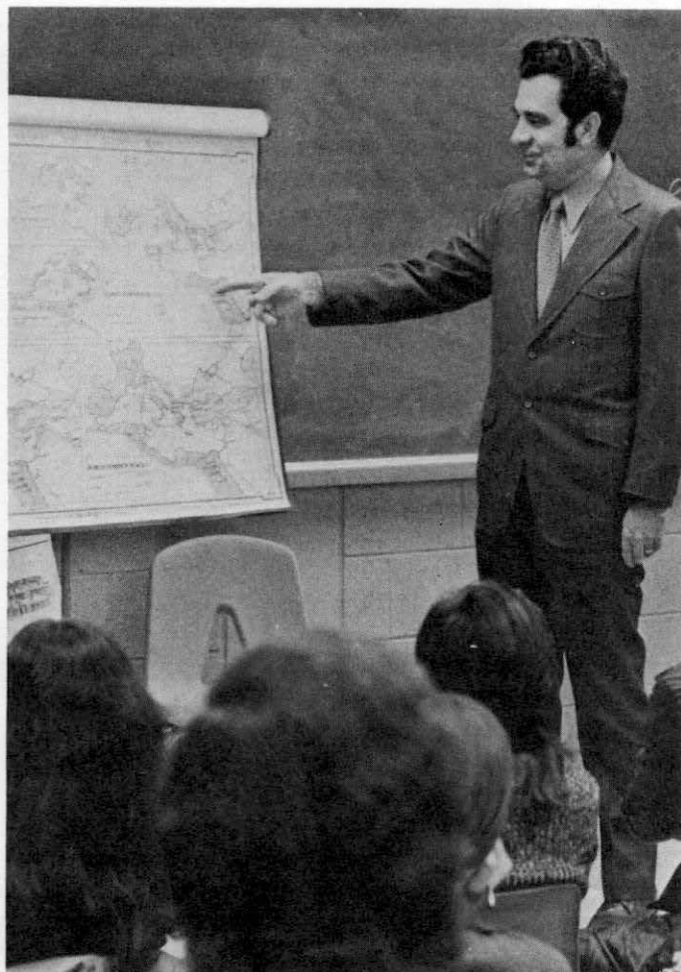
Geography 640. Resources and Industries. (3-0-3); on demand.

The resource base, nature, structure and distribution of industry and its function in a national economy. (Formerly 540)

* Indicates Systematic Geography courses.

Department of HISTORY

Edmund Hicks, Ph. D., Head



History is the memory of human group experience. If it is forgotten or ignored we cease, in that measure, to be human, for without the accumulated knowledge of the past we would have no knowledge of who we are or how we came to be. It is the events recorded in history that have generated all the emotions, the values, the ideals that make life meaningful.

To the student, history provides perspective. It reminds him that time is indeed long and our own life fleeting. It teaches the student modesty and humility. For our troubled world, history teaches tolerance—tolerance with different faiths, different loyalties, different cultures, ideas and ideals.

History assures us that man is neither the creature of iron laws over which he has no control nor the victim of chance and fortuity. It reminds us by a thousand stirring examples that the individual counts, that character counts—not just the character of the individual but the character of a whole people—Character which is found in the mind and spirit as well as in the manifestations of courage and power.

In studying history the student is encouraged to develop a spirit of critical inquiry, to sharpen his judgment in weighing and sifting evidence, and to interpret historical facts with humility, honesty and imagination.

REQUIREMENTS

For a Major:

	Sem. Hrs.
History 131, 132, 241, and 242	12
Advanced credit in history	18
Minimum for a Major	30

Distribution of courses within the major will be determined by the Department Chairman and student, with care being taken to avoid undue concentration of courses in only one field of History.

For a Minor:

History 131, 132, 241 and 242	12
Advanced credit in history	9
	21

For the Master of Arts Degree:

The Department also offers graduate work in History leading to the completion of the M. A. Degree. The student is permitted a choice of programs for the attainment of the degree and it is recommended that he seek the advice of the Graduate Coordinator in selecting his option. The History Department recommends that students expecting to seek a terminal degree, select Plan A.

The options offered the student are as follows:

PLAN A

- *1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students.
2. Completion of an approved thesis.
3. A reading knowledge of an approved foreign language.

PLAN B

- *1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students.
2. A written comprehensive examination over the course work.
3. Completion of an approved thesis.

PLAN C

- *1. Completion of a minimum of thirty semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students and must include a research seminar, History 598.
2. A written comprehensive examination over the course work.
3. A reading knowledge of an approved foreign language.

PLAN D

- *1. Completion of a minimum of thirty-three semester hours of approved graduate work in history. At least fifteen hours of the history credit must be earned in courses open only to graduate students and must include a research seminar, History 598.
2. A written comprehensive examination over the course work.
- *The total hours include the credit allowance for the thesis and a maximum of six hours which may be taken in a cognate area with the approval of the Department.

For additional information, consult the Graduate Bulletin or write the Dean of Graduate Programs, Morehead State University.

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and arranging their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

The Provisional High School Certificate with a Major in History*

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci		Physical Science	3
Hist	131	World Civ. I	3
		Social Sciences Elective	3
		Elective	3
			16

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci		Biological Science	3
Hist	132	World Civ. II	3
Ed	100	Orientation in Ed.	1
HLth	150	Personal Health	2
		Elective	3
			16

SOPHOMORE YEAR

First Semester

Eng		Literature	3
Hist	241	U.S. of America 1492-1865	3
Math		Elective	3
Ed	210	Human Gr. and Devel. I	3
		Humanities Elective	3
		Elective	2
			17

Second Semester

		Humanities Elective	3
Hist	242	U.S. of America Since 1865	3
Sci		Elective	3
		Social Sciences Elective	3
		Minor	3
		Elective	2
			17

*If teacher certification is not desired, consult your adviser.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title means 3 hours class, no laboratory, 3 hours credit. Roman numerals I, II, and III following the credit hour allowance indicate the term in which the course is normally scheduled: I—fall; II—spring; III—summer.

Honors Seminar in History. (3-0-3); on demand.

Prerequisite: Open only to juniors and seniors in the Honors program.

An analysis and discussion of the philosophies of world history; their origins and effects.

History 131. World Civilization I. (3-0-3); I, II, III.

Western man from the cities of Sumer to the end of the religious wars.

History 132. World Civilization II. (3-0-3); I, II, III.

From the Age of reason to the Atomic Age.

History 241. United States of America, 1492-1865. (3-0-3); I, II, III.

A survey of the basic tenets of American life from the Age of Discovery to the War Between the States.

History 242. United States of America Since 1865. (3-0-3); I, II, III.

A continuation of History 241, culminating with today's social and economic problems.

History 325. The Old South. (3-0-3); I, III.

The growth of southern sectionalism and the development of regional characteristics.

History 326. The Civil War and Reconstruction. (3-0-3); II.

The role of the southern states in the rebirth of the American nation.

History 330. Ancient History. (3-0-3); I.

The rise of civilization with emphasis on the cultural contributions of the Greeks and Romans.

History 333. Medieval Europe. (3-0-3); II.

Western man from the collapse of Rome to the Renaissance of the sixteenth century.

History 334. The Renaissance and Reformation. (3-0-3); I.

A social and intellectual history of the beginning of the modern world.

History 335. Europe, 1648-1815. (3-0-3); II.

Europe from the Age of Absolutism to the overthrow of the Napoleonic Empire.

History 338. Nineteenth Century Europe. (3-0-3); I, II.

The political *isms*, nationalistic trends and unification movements leading to World War One.

History 343. American Political Parties. (3-0-3); I, II, III.

(See Political Science 343.)

History 344. A History of Kentucky. (3-0-3); I.

Colonial birth to the creation of the Commonwealth with emphasis upon its constitutional and social development.

History 345. The American Frontier. (3-0-3); I, II.

The Westward Movement in the shaping of American life and institutions.

History 349. Economic History of the United States. (3-0-3).

(See Economics 349.)

History 351. England to 1660. (3-0-3); I.

The political, social and economic institutions of England to the fall of the Puritan Commonwealth.

History 352. England Since 1660. (3-0-3); II.

A detailed history of England from the Restoration to the rise of the British Commonwealth.

History 375. The Teaching of Social Studies. (3-0-3); I, II.

Prerequisite: Open only to majors in the Social Sciences with a minimum of eighteen credit hours, during the semester preceding student teaching.

A laboratory experience designed to develop methods, techniques and materials for the teaching of Social Studies in the secondary schools.

(Does not count in a major or minor.)

History 377. Colonial Latin—America. (3-0-3); I.

Latin-America from the Amerindian civilization through the revolutions of 1810-1825.

History 378. Republican Latin—America. (3-0-3); II.

The political, economic and social developments of the former colonies with special emphasis on the recent dangers from external interference.

History 400. American Foundations. (3-0-3); I, II, III.

A study of the great issues of American History.

History 453. Russia to 1917. (3-0-3); I.

Russia from Kievan times to the overthrow of the Romanov dynasty.

History 454. Russia Since 1917. (3-0-3); II.

A detailed history of Soviet Russia from the revolution to the Cold War.

History 530. The Negro in American History. (3-0-3); I, II, III.

The Negro's role in the social, economic, cultural and political development of the United States. (Formerly 430G)

History 540. Colonial America. (3-0-3); I.

The nation from the Age of Discovery to the Revolutionary War. (Formerly 440G)

History 541. American Revolution and Federal Period. (3-0-3); II.

A continuation of 540 covering the period from the American Revolution to the Era of Good Feelings. (Formerly 441G)

History 542. The Age of Jackson. (3-0-3); I.

An analysis of national political and social movements of our westward trek, when America sought compromise and found civil war. (Formerly 442G)

History 543. The United States, 1876-1900. (3-0-3); II.

Emphasis is placed upon the rise of big business with its resultant epoch of America as a world power. (Formerly 443G)

History 545. The United States, 1900-1939. (3-0-3); I, III.

The American people from the Progressive Period through the New Deal. (Formerly 445G)

History 546. The United States, 1939-1970. (3-0-3); II, III.

America from World War to world leadership. Emphasis is placed upon the resultant social problems. (Formerly 446G)

History 548. United States Foreign Relations. (3-0-3); I.

A survey designed to acquaint the student with the foreign relations of the United States from its conception to our present role in the United Nations. (Formerly 448G)

History 549. Early American Social and Intellectual History. (3-0-3); I.

From the beginning of American thought in Puritanism to the antislavery crusade and Civil War. (Formerly 449G)

History 550. The World, 1914-1939. (3-0-3); I.

A study extending from the results of World War One to the outbreak of the Second World War with special emphasis on communism, facism and nazism. (Formerly 450G)

History 551. Modern American Social and Intellectual History. (3-0-3); II.

The emergence of modern American society, from the rise of Social Darwinism to the protest movements of the present decade. (Formerly 451G)

History 552. The World, 1939 to the Present. (3-0-3); II, III.
A detailed study of World War II and the aftermath of a world divided. (Formerly 452G)

History 555. European Intellectual History. (3-0-3); I.
The stream of European thought from the French Revolution to the Atomic Age. (Formerly 455G)

History 556. American Urban History. (3-0-3); I.
An examination of the rise of the American city from Colonial days to twentieth century ghettos. (Formerly 456G)

History 558. The Slavery Controversy. (3-0-3); I, III.
The issues growing out of differences concerning slavery within voluntary societies. (Formerly 458G)

History 560. Africa to 1900. (3-0-3); I.
The basic developments of the African continent culminating in the establishment of the European colonial system. (Formerly 460G)

History 561. Africa Since 1900. (3-0-3); II.
The European influences; the advance of nationalism; and the problems of independence. (Formerly 461G)

History 576. American History: Directed Readings. (One to three hours); I, II.
Prerequisite: Open only to history majors and minors with permission of the Chairman. (Formerly 476G)

History 577. European History: Directed Readings. (One to three hours); I, II.
Prerequisite: Open only to history majors and minors with permission of the Chairman. (Formerly 477G)

History 578. Non-Western History: Directed Readings. (One to three hours); I, II.

Prerequisite: Open only to history majors and minors with permission of the Chairman. (Formerly 478G)

History 610. American Biography. (3-0-3); on demand.
The characteristics of and services rendered by men and women who have played leading roles in the history of the nation. (Formerly 510)

History 630. European Historiography. (3-0-3); on demand.
The development of history as a written subject; the works of European historians from Herodotus to the contemporary scene. (Formerly 530)

History 632. The French Revolution. (3-0-3); on demand.
A study in detail of the causes, course and results of the French Revolutionary period. (Formerly 532)

History 638. The Negro in the 20th Century. (3-0-3); on demand.
The Negro's world from a sociological, economic, political and historical point of view. (Formerly 538)

History 640. American Historiography. (3-0-3); on demand.
An analysis of the works of prominent American historians from the colonial period to the present. (Formerly 540)

History 643. Seminar: The United States—Formative Years, (1763-1815). (3-0-3); on demand.
(Formerly 543)

History 644. Seminar: The Sectional Controversy, (1846-1876). (3-0-3); on demand.
(Formerly 544)

History 645. Seminar: Twentieth Century United States. (3-0-3); on demand.
(Formerly 545)

History 646. Seminar: Emerging America, (1876-1900).
(3-0-3); on demand.
(Formerly 546)

History 650. Seminar: Latin America. (3-0-3); on demand.
(Formerly 550)

History 652. Seminar: Nineteenth Century Europe. (3-0-3); on demand.
(Formerly 552)

History 660. Seminar: The World in the 20th Century. (3-0-3); on demand.
(Formerly 560)

History 670. Seminar: Africa. (3-0-3); on demand.
(Formerly 570)

History 698. Historical Criticism. (3-0-3); on demand.
Required of all candidates for the M.A. in history, enrolled in option C or D.

History 699. Thesis. (One to six hours); on demand.
Required of all candidates for the M.A. in history, enrolled in option A or B. (Formerly 599)

Department of POLITICAL SCIENCE

Jack E. Bizzel, Ph. D., Head

The Department of Political Science offers courses in major areas of study including: American Government, State and Local Government, Comparative Government, International Relations, Group Dynamics, Constitutional Law, and Public and Personnel Administration.

The objectives of the department include: to provide the professional competence that enables students to live in a democratic society with an understanding of its purposes, institutions, and operations; to continue his education in law; to prepare the student to serve in government; and to provide prospective and in-service teachers with a more thorough foundation for, and a greater appreciation of American principles and practices of democracy.



Pre-Law Program

The field of political science is recommended as a type of desirable training for pre-law students. While there is no officially prescribed pre-law curriculum, most law schools require the bachelor's degree for entrance; therefore it is recommended that preparatory studies be directed toward that goal. All general education requirements should be met, as well as a degree in some particular field.

Preparing for Government Service

Students preparing for government service should pursue the general political science major requirements. Those wishing to specialize in public administration should select courses in public administration, finance, and personnel.

Internship programs are available for qualified students desiring to enter governmental service. A structured work-study experience in state and local government is obtained by the participating student. Opportunities are available to gain valuable experience with such public officials as: city managers, mayors, other governmental officers, county and state agencies.

REQUIREMENTS**For a Major:**

	Sem. Hrs.
Political Science 141, 242, and 330 or 550	9
Advanced credit in Political Science	21

For a Minor:

Political Science 141, 242, and 330 or 550	9
Advanced credit in Political Science	12
Minimum for a Minor	21

Major in Urban Affairs

In view of the problems and unique relationships that have developed, and continue to develop, in the large centers of population, an interdisciplinary major has been developed that deals with the problems of the cities. Courses comprising this major have been selected from all of the social sciences.

	Sem. Hrs.
Geography 510	3
History 556	3
Political Science 300	3
Sociology 101 and 323	6
Special Problems in Urban Affairs	3
Electives selected from the following:	12
Economics 201, 302, and 541	
Geography 349	
Political Science 141 and 242	
Sociology 374	

30

It is strongly suggested that students with a major in Urban Affairs include Computer Programming 210 and Sociology 389 in their program.

SUGGESTED PROGRAM

The following program has been devised to help students in selecting their courses and arranging their schedules. These suggested schedules need not be followed specifically from semester to semester, but close adherence to them will aid the students in meeting all requirements for graduation.

Provisional High School Certificate with a Major in Political Science*

FRESHMAN YEAR

First Semester

Eng	101	Composition I	3
PE		Activity Course	1
Sci		Physical Sci	3
PS	141	Gov't of U.S.	3
		Minor	3
		Soc. Science Elective	3
			16

Second Semester

Eng	102	Composition II	3
PE		Activity Course	1
Sci		Biological Sci	3
PS	242	State and Local Gov't	3
Ed	100	Orientation in Ed.	1
HIth	150	Personal Health	2
		Minor	3
			16

SOPHOMORE YEAR

First Semester

Eng		Literature	3
PS	330	Parliamentary Democracies	3
Ed	210	Human Gr. and Devel. I	3
Math		Elective	3
		Minor	3
			15

Second Semester

		Humanities Elective	3
PS		Elective	3
PS		Science or Math Elective	3
		Minor	3
		Elective	3
			15

*If teacher certification is not desired, consult your adviser.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally offered: I—Fall Semester; II—Spring Semester and III—Summer Term.

Political Science 141. Government of the United States. (3-0-3); I, II, III.

The nature, organization, powers, and functions of the United States Government.

Political Science 242. State and Local Government. (3-0-3); I, II, III.

The nature, organization, powers, and functions of American state and local governments.

Political Science 300. Municipal Government. (3-0-3); I, II, III.

The nature, organization, powers, and functions of American municipal governments.

Political Science 310. Current World Problems. (3-0-3); I, II, III.

(Political Science majors and minors will not receive credit for this course.)

Emphasis on United States domestic and international problems since World War II.

Political Science 330. Parliamentary Democracies. (3-0-3); I, II, III.

Constitutional development, political organization, legislatures, administration, courts of the governments of the United Kingdom, France, and Germany.

Political Science 334. Soviet Union and Eastern European Governments. (3-0-3); I.

Soviet political system: its contemporary ideological base, governing structures and political processes; analysis of other governments in Eastern Europe.

Political Science 340. Public Opinion and Propaganda. (3-0-3); II.

The nature, formation, and role of public opinion, techniques, strategies and effects of propaganda.

Political Science 343. American Political Parties. (3-0-3); I, II, III.

Nature and role of parties and interest groups; party structure and development; functions of primaries; nomination system and campaign methods; public opinion and policy making.

Political Science 344. Kentucky Government. (3-0-3); I, II, III.

The nature, organization, powers, and functions of Kentucky state government.

Political Science 348. The Legislative Process. (3-0-3); II.

Prerequisite: Political Science 141 or consent of the instructor. Legislative behavior in the context of the political system; procedures and influences in the formation of public policy.

Political Science 352. Survey In Political Theory. (3-0-3); I.

Early political ideas of Greeks, Romans, and Medieval Church; evolution of states and acquisition of sovereignty; contract theory; rise of liberalism, totalitarianism, and Marxist Socialism.

Political Science 360. United Nations and World Organizations. (3-0-3); II.

Evolution of international organizations, from League of Nations to the United Nations; problems and issues of present world organization.

Political Science 364. Intergovernmental Relations. (3-0-3); I.

Prerequisites: Political Science 141 and 242.

Structure, allocation of power, and the political process relating to activities and programs involving different levels of government.

Political Science 375. The Teaching of Social Studies. (3-0-3); I, II.

(See History 375.) (Does not count in the major or minor.)

Political Science 441. Public Finance. (3-0-3); I.

Prerequisites: Economics 201 and 202.

(See Economics 441.)

Political Science 476. Special Problems in Political Science. (One to three hours); on demand.

Prerequisite: Consent of the instructor.

Original research project or readings in a particular subject area.

Political Science 500. Pressure Groups and Politics. (3-0-3); I.

Prerequisite: Political Science 141 or consent of the instructor.

Theory of interest groups; the role of interest groups in the political process; group ideology; techniques of political propaganda. (Formerly 400G)

Political Science 535. Modern Asian Governments (3-0-3); II.

Background, development, ideologies and structure of Asian governments including Japan, China, India. (Formerly 435G)

Political Science 544. The American Constitution. (3-0-3); I, II.

Prerequisite: Political Science 141 or consent of the instructor. Sources of American heritage in the evolution of constitutionalism; interpretation of principles and precedents in such fields as civil rights, federal-state relationships. (Formerly 444G)

Political Science 546. Public Personnel Administration. (3-0-3); II, III.

Prerequisite: Political Science 548 or consent of the instructor. Manpower utilization; concepts, principles and practices of the merit system; leadership; decision-making process; motivation of public employees. (Formerly 446G)

Political Science 548. Public Administration. (3-0-3); I.

Prerequisite: Political Science 141 or consent of the instructor. Historical evolution; theory of organization and administration; personnel, financial, and legal aspects of public administration. (Formerly 448G)

Political Science 550. International Relations. (3-0-3); II, III.

Prerequisite: Political Science 141 or consent of the instructor. Survey of interstate relationships in theory and practice; concepts of power and its application; machinery of foreign policy making and enforcement; world politics and law; the world community. (Formerly 450G)

Political Science 555. Internship in Public Affairs. (Four hours).

Prerequisite: Consent of the instructor.

On-the-job work-study experience in government. (Formerly 455G)

Political Science 600. Seminar: State and Local Government. (3-0-3); on demand.

Prerequisites: Political Science 141 and 242 or consent of the instructor.

Intensive and detailed study of state and local government; problems of metropolitan areas; interstate and local cooperation; compacts and regional planning. (Formerly 500)

Political Science 610. Development of American Democracy. (3-0-3); on demand.

Prerequisite: Political Science 141 or consent of the instructor. Ideas, institutions, customs and experiences in the development of American democracy as well as European influences. (Formerly 510)

Political Science 620. Seminar: International Relations. (3-0-3); on demand.

Prerequisite: Political Science 550 or consent of the instructor. Training in methodology and use of the tools for individual research in international relations. Emphasis on Europe, Asia, Latin America, and Africa. (Formerly 520)

Political Science 625. Comparative Political Systems. (3-0-3); on demand.

Prerequisites: Political Science 330 or permission of instructor. An examination, on a comparative basis, of existing governmental systems: Liberal Democratic states, totalitarianism, and Third World states.

Political Science 630. Contemporary World Problems. (3-0-3); on demand.

Historical, physical, cultural and political factors underlying current international issues; the United Nations, and other contemporary international agencies and arrangements. (Formerly 530)

Political Science 650. American Chief Executives. (3-0-3); on demand.

Prerequisite: Political Science 141, 242, or consent of instructor. Analysis of executive position and leadership in federal, state, and local governments.

Political Science 676. Special Problems in Political Science. (One to three hours); on demand.

Prerequisite: Consent of the instructor. Original graduate research project or readings in a particular subject area. Classes arranged for studying a particular problem. (Formerly 576)

Department of SOCIOLOGY

Alban L. Wheeler, Ph. D., Head

The courses offered in Sociology have an important place in a broad liberal education. Basic courses dealing with the fundamental processes of group relationships, social organization, and social behavior are the foundation for more advanced courses in social analysis and research. Training is offered in specialities of criminology, the family, community organization, demography, intergroup relations, social psychology, and rural sociology.

An undergraduate major in Sociology is particularly useful to persons planning to enter such fields as law, social work, industrial relations, the ministry, planning and zoning, high school social science teaching, and various positions in public and governmental agencies.



REQUIREMENTS**For a Major:**

Sem. Hrs.

Sociology 101 and general electives	9
Sociology 305, 389 or 550 and 505	9
Advanced Sociology electives on the 300 level or above	12
Minimum for a Major	30

For a Minor:

Sociology 101, 203, 389, or 550 and 505	12
Advanced sociology electives on the 300 level and above approved by the adviser	9
Minimum for a Minor	21

For a Major in Economics and Sociology:

Economics 201, 202, and 351	9
Sociology 101, 376, 389, and 505	12
Advanced credit in economics and/or sociology approved by adviser	15
Minimum for a Major	36

For a Major in Sociology with Emphasis on Social Welfare:

Sociology 101, 203, 305, 354, 389, or 550 and 505	18
Social Welfare 210, 225, 315, and 520 or 508d 12	
Advanced electives in Soc. Welfare	6
Minimum for a Major	36

For certification as a school social worker the student must complete 18 hours in the social welfare field, including 510.

For a Bachelor of Arts in Social Welfare:

Sem. Hrs.

Social Welfare 210, 225, 315, 510, and 550	15
Advanced credit in social welfare	12
Social and behavioral sciences:	
Sociology 101, 203, 305, 306, 354, and 505	18
Education 210	3
Economics 201	3
Political Science 141	3
Psychology 154, 355, and 390	9
	63

For the Two Year Program in Social Work:

S.W. 210, 225, 315, and 320	12
Sociology 101, 203, and 354	9
English 101, 102, and 202	9
Basic Speech 101	3
Science 103, and 105	6
Psychology 154	3
Education 210	3
Health and P. E.	4
Economics 201	3
Political Science 141	3
Electives	7

SUGGESTED PROGRAMS

The following programs have been devised to help students in selecting their courses and arranging their schedules. These suggested programs need not be followed specifically from semester to semester, but close adherence to them will aid the student in meeting all requirements for graduation.

The Provisional High School Certificate with a Major in Sociology*

FRESHMAN YEAR

<i>First Semester</i>		
Eng	101	Composition I 3
PE		Activity Course 1
Sci		Biological Science 3
Soc	101	General Sociology 3
Psy	154	General Psychology 3
		Humanities Elective 3
		16

<i>Second Semester</i>		
Eng	102	Composition II 3
PE		Activity Course 1
Sci		Physical Science 3
Soc		Elective (200 level) 3
Ed	100	Orientation to Education 1
Math		Elective 3
Hlth	150	Personal Health 2
		16

SOPHOMORE YEAR

<i>First Semester</i>		
Eng		Literature 3
Ed	210	Human Gr. and Devel. I 3
		Soc. Sci. Elective 3
		Minor Elective 3
Soc		Elective 3
		Elective 1
		16

<i>Second Semester</i>		
Phil	200	Intro. to Phil 3
		Minor Elective 6
		Soc. Sci. Elective 3
Soc	305	Cult. Anthropology 3
		Elective 2
		17

**Provisional High School Certificate with a Major in Sociology
(Social Work Emphasis)***

FRESHMAN YEAR

<i>First Semester</i>			
Eng	101	Composition I	3
PE		Activity Course	1
Sci		Biological Science	3
Soc	101	General Sociology	3
Psy	154	General Psychology	3
		Humanities Elective	3
			16

<i>Second Semester</i>			
Eng	102	Composition II	3
PE		Activity Course	1
Sci		Physical Science	3
Soc		Elective (200 level)	3
Ed	100	Orient. to Ed.	1
Math		Elective	3
HLth	150	Personal Health	2
			16

SOPHOMORE YEAR

<i>First Semester</i>			
Eng		Literature	3
Ed	210	Human Growth	3
Pol Sci		Elective	3
		Minor Elective	3
SW	210	Orient. to Soc. Work	3
		Elective	1
			16

<i>Second Semester</i>			
Phil	200	Intro. to Phil.	3
		Social Sciences Elective	3
Soc	305	Cult. Anthropology	3
		Minor Elective	3
SW	225	Intro. to Soc. Casework	3
		Elective	1
			16

Major in Economics and Sociology*

FRESHMAN YEAR

<i>First Semester</i>			
Eng	101	Composition I	3
PE		Activity Course	1
Sci		Physical Science	3
Soc	101	General Sociology	3
Psy	154	General Psychology	3
HLth	150	Personal Health	2
		Elective	2
			17

<i>Second Semester</i>			
Eng	102	Composition II	3
PE		Activity Course	1
Sci		Biological Science	3
Soc	203	Contemp. Social Prob.	3
Ed	100	Orientation in Ed.	1
		Electives	5
			16

SOPHOMORE YEAR

<i>First Semester</i>			
Eng		Literature	3
Math		Elective	3
Econ	201	Principles of Econ.	3
Ed	210	Human Gr. and Devel. I	3
		Electives	5
			17

<i>Second Semester</i>			
		Humanities Elective	3
		Sci. or Math. Elective	3
Econ	202	Economic Prob.	3
		Electives	8
			17

*If teacher certification is not desired consult your adviser.

DESCRIPTION OF COURSES

NOTE: (3-0-3) following course title indicates: 3 hours lecture, 0 hours laboratory and 3 hours credit. Roman numerals I, II, and III indicate the term in which the course is normally offered: I—Fall Semester; II—Spring Semester and III—Summer Term.

SOCIOLOGY

Sociology 101. General Sociology. (3-0-3); I, II, III.

The nature and dynamics of human society. Basic concepts include: culture, groups, personality, social institutions, social processes, and major social forces. Prerequisite for all advanced sociology courses.

Sociology 170. Rural Sociology. (3-0-3); I, II.

The cultural and social organizations of rural and urban societies with emphasis on the impact of economic changes and population movements.

Sociology 203. Contemporary Social Problems. (3-0-3); I, II, III.

A systematic and objective interpretation of contemporary social problems such as crime, delinquency, poverty, race relations, family problems, problems of mass communication, and health problems with emphasis on societal conditions under which deviance emerges, and the alleviation of such deviant behavior.

Sociology 205. The Family. (3-0-3); I, II.

The family in cross-cultural and historical perspective; as a social institution; the impact of economic and social conditions (especially urbanization) on family values, structure, functions and roles.

Sociology 302. Population Dynamics. (3-0-3); I, II.

The U.S. population: social and economic characteristics; migration, mortality and fertility trends; influence of social

factors on population processes; basic techniques of population analysis; survey of population theories; data on international migration.

Sociology 304. Social Change. (3-0-3); I.

Change theories from early to contemporary scholars. Antecedents and effects of change; function, structure, and ramifications of change; normality of change in modernization, social evolution contrasted with social revolution.

Sociology 305. Cultural Anthropology. (3-0-3); I, II, III.

An introduction with special emphasis on man's biological and cultural development.

Sociology 306. Juvenile Delinquency. (3-0-3); I, II.

The extent, ecological distribution, and theories of delinquency in contemporary American society, including a critical examination of trends and methods of treatment of delinquency.

Sociology 323. Urban Sociology. (3-0-3); I, II.

The rise of modern cities; theoretical explanations of urbanization; and the analysis of modern urban problems.

Sociology 354. Social Psychology. (3-0-3); I, II.

The influence of group processes on individual behavior. Topics covered include personality formation, social perception, conformity and deviance, attitude formation and change; small group behavior and leadership patterns.

Sociology 374. American Minority Problems. (3-0-3); I, II.

Examines various processes of social and cultural contact between peoples; theories dealing with the sources of prejudice and discrimination; basic processes of intergroup relations; the reactions of minorities to their disadvantaged status; and means by which prejudice and discrimination may be combated.

Sociology 375. The Teaching of Social Studies. (3-0-3); I, II.
(See History 375.) (Does not count in the major or minor.)

Sociology 376. Industrial Sociology. (3-0-3); I, II.
Modern industrialization as social behavior. Social conditions in the rise of industrialism and effects on the worker; collective bargaining and industrial conflict; the industrial community; social classes and the industrial order.

Sociology 389. Social Science Statistics. (2-2-3); I, II.
Prerequisite: Math 152.
Basic statistical methods applicable to the social sciences. Frequency distribution; charts and graphs; measures of central tendency and dispersions; probability theory; point and interval estimation; hypothesis testing; analysis of variance; regression and correlation; sampling.

Sociology 476. Special Problems. (Arranged); I, II, III.
Arranged with the division to study some particular aspect of the field of Sociology.

Sociology 501. Criminology. (3-0-3); I, II, III.
Cause, treatment and prevention of crime. (Formerly 401G)

Sociology 505. Sociological Theory. (3-0-3); I, II, III.
Modern sociological theory, including an introduction to basic theoretical approaches to the study of society and a survey of contributions to the field by major theorists. (Formerly 405G)

Sociology 525. The Community. (3-0-3); I, II.
The general character of community relations in society; the structure and function of the community as a social system and the processes of balancing community needs and resources; the planned and unplanned social change. (Formerly 425G)

Sociology 540. Gerontology. (3-0-3); II.
(See Social Welfare 540.)

Sociology 550. Research Methodology. (3-0-3); I, II, III.
Methods of sociological research including the fundamental assumptions underlying research; some practical experience in research design, data collection, techniques, and data analysis. (Formerly 450G)

Sociology 600. Independent Research. (Arranged); I, II.
Qualified students may arrange with staff for individual work on some particular sociological problem. Credit hours will depend on the quality and quantity of achievement by the student. (Formerly 500)

Sociology 603. Appalachian Sociology. (3-0-3); I.
A study of major Appalachian social institutions, including the family, religion, education, the economy and government; a survey of health and welfare institutions, major value orientations, population characteristics, and social change. (Formerly 503)

Sociology 610. Western Cultural Heritage. (3-0-3); I.
Research course dealing with the contributions of ideas and technology made to western culture by earlier civilizations. (Formerly 510)

Sociology 620. Educational Sociology. (3-0-3); I.
Contributions of sociology to understanding education as a social process. Sociological concepts and principles are used to point up crucial problems in education. (Formerly 520)

Sociology 650. Sociological Thought and Theory. (3-0-3); II.
An intensive study of certain selected pioneer sociological theorists such as Weber, Durkheim, Marx and contemporary theorists. (Formerly 550)

SOCIAL WELFARE

Social Welfare 210. Orientation to Social Welfare. (3-0-3); I, II, III.

An introduction to the philosophy and early development of social welfare services, and the organization and function of social work practices in both the primary and secondary settings.

Social Welfare 225. Introduction to Social Casework. (3-0-3); I, II, III.

Philosophies, principles and practice methods involved in the process of helping individuals with problems in social functioning.

Social Welfare 315. Child Welfare Services. (3-0-3); I, II.

Local, state, and national programs and services for care, protection, and support of children.

Social Welfare 320. Social Group Work. (3-0-3); I, II.

This course is designed to give the student an understanding of group method and the theories underlying the use of groups in the helping process. The role of the Social Group Worker will be examined in various fields of practice.

Social Welfare 325. Social Casework II. (3-0-3); II, III.

A course designed to increase the student's understanding of the self in helping relationships; develop proficiency in interviewing, case handling in defined areas, and case recording.

Social Welfare 389. Social Science Statistics. (2-2-3); I, II.

Prerequisite: Math 152.

(See Sociology 389.)

Social Welfare 508. Community Organization for Social Welfare. (3-0-3); I, II, III.

Methods and techniques for improving communities through processes of community development, social planning, and social action.

Social Welfare 510. Practicum in Social Work. (Field assignment); I, II, III.

Actual work experiences in the various agencies of Social Welfare under supervision of a trained and certified professional worker. Comparable to student teaching in professional education.

Social Welfare 520. Public Welfare Administration. (3-0-3); I, II.

The history, nature, organizational structure, and philosophy of the administration of public programs of income maintenance and other welfare services; consideration of the role of voluntary agencies.

Social Welfare 530. Issues and Principles of Social Work. (3-0-3); II.

An analysis of basic issues and principles underlying social welfare services.

Social Welfare 540. Gerontology; Problems and Services to the Aging. (3-0-3); II.

An analysis of aging designed to provide the student with a knowledge of the special factors involved in the aging process as well as the social work techniques designed to aid such individuals to cope with the changes inherent in the aging process.

Social Welfare 550. Research Methodology. (3-0-3); I, II, III. (See Sociology 550.)

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DEPARTMENT OF MILITARY SCIENCE

The primary objective of the Military Science Program, offered on an elective basis at Morehead State University, is to produce junior officers for all branches of the United States Army. A vital secondary objective is to impart citizenship education, develop leadership potential, and stimulate and motivate the male student for future useful service on behalf of the nation in whatever profession he chooses. The basic method of achieving these objectives is to develop habits of loyalty, patriotism, self-discipline, personal bearing, precision, good appearance, basic military knowledge, and appropriate response to constituted authority.

The program offered at Morehead is the General Military Science Curriculum which provides instruction in leadership and military fundamentals common to all branches of the Army. Upon completion of the Advanced Course and graduation from the University, a student may be commissioned in any one of fifteen branches commensurate with his academic major, his preference, and the requirements of the Army at the time of his election of a branch. The branches of the Army available are: Air Defense Artillery, Adjutant General's Corps, Armor, Chemical Corps, Corps of Engineers, Field Artillery, Finance Corps, Infantry, Medical Service Corps, Military Intelligence, Military Police Corps, Ordnance Corps, Quartermaster Corps, Signal Corps, and Transportation Corps.

The Military Science Program at Morehead State University is divided into two courses of two years each. These are the Basic Course, normally taken in the freshman and sophomore years, and the Advanced Course, taken in the junior and senior years. Completion or constructive completion of the Basic Course is one of the prerequisites for the Advanced Course. Between the junior and senior years the Advanced cadet must attend a summer camp at an army post, where he is given an opportunity to put into practice the military knowledge acquired at the University and where he is evaluated as a potential officer. Successful completion of the Basic and Advanced Courses, the Advanced Summer Camp, and receipt of a bachelor's degree are normally required to be eligible for a commission.

National Security (NS 100)

An elective course in leadership training in a democratic society for the establishment and maintenance of national security is offered for freshmen who do not desire to enroll in Military Science 101 but who may wish to gain a greater understanding of America's security system. The course, NS 100, nine weeks in length, deals with topics of general interest to those concerned with the security of our nation. The course meets two times each week and carries one semester hour of credit. If at the end of the nine-week period a student wishes to enroll in Military Science 101, full credit will be given in Military Science for the first nine weeks spent in the course concerning national security.

Basic Course—Military Science I and Military Science II.

Freshmen and sophomores may include Military Science as an elective, and students wishing to be considered for the Advanced Program must do so.

A student who has prior military service or who has completed ROTC in high school or at another college or university will, after a conference with the Professor of Military Science, be enrolled in the Military Science Course for which prior military education qualifies him.

Students transferring to Morehead with two or more years of resident instruction remaining at the start of the academic year, with or without previous military instruction, are eligible to apply for the Army ROTC special two-year program by attendance at a Basic ROTC Camp (six weeks) during the summer prior to enrolling in the Advanced Course. Application should be submitted not later than March 1st during their sophomore year.

Advanced Course—Military Science III and Military Science IV.

The Advanced Course is offered to students who have successfully completed the Basic Course (or have sufficient prior service) and who have been recommended by the Professor of Military Science and approved by the President of the University. Such recommendations and approvals will be limited to those students who have shown special interest and ability during the Basic Course (or its equivalent), who have expressed a desire to continue in the Advanced Course to qualify for a commission in the Regular Army or the Army Reserve, who are physically qualified, and who achieve satisfactory scores on the prescribed standardized Army qualification tests. A student qualified and selected for the Advanced Course will receive subsistence pay of \$100 per month for about twenty months, or approximately \$2,000 for the two-year Advanced Course. During the summer following the junior year, students in the Advanced Course will attend an Advanced Summer Camp of six weeks duration. While

attending Advanced Summer Camp, cadets are paid at the rate of one-half of the base pay of a Second Lieutenant; are furnished subsistence, housing, uniforms and medical care; and are paid a travel allowance to and from camp. Enrollment in the Advanced Course is limited to students who can qualify for appointment as Second Lieutenants prior to reaching 28 years of age (27 for Regular Army commission). Those who enroll must sign a contract with the United States Army to complete the Advanced Course and attend the Advanced Summer Camp. Upon successful completion of the Advanced Course and Camp, and upon recommendation of the Professor of Military Science and the President of the University, cadets will be commissioned as Second Lieutenants in the Army Reserve at the spring, fall or summer graduation.

Distinguished Military Students, so designated in their senior year by the Professor of Military Science and the President of the University for outstanding achievement in meeting Military Science requirements, have an opportunity to apply for Regular Army commissions. This opportunity is extended only to those students who show high leadership potential and who stand: (a) academically in the upper one-third of the Military Science Advanced Course, (b) academically in the upper one-half of their university senior class (males), and (c) the upper one-third of their platoon at Advanced Summer Camp. (Item b, above, may be waived if the cadet is in the upper ten percent of the Military Science Advanced Course.)

Selected and qualified seniors may take flight instruction at government expense in order to receive a private pilot's license. (University credit is not granted for this extra instruction.)

MILITARY SCIENCE MINOR*Requirements for a minor in Military Science:*

*MS-I, -II, -III, and -IV 16 hours

Electives in institutional courses of particular interest and value to the military service (see list below) 7 to 9 hours

Total 23 hours minimum

*All MS-I and -II cadets must also register for a one-hour leadership laboratory. All MS-III and -IV cadets must register for a two-hour period of leadership laboratory.

Entering male freshmen who have completed junior ROTC may receive placement credit in accordance with the following table:

Previous Training	Credit for Placement in Senior ROTC
Junior ROTC:	
MT-1	None
MT-1 and -2	MS-I
MT-1, -2, and -3	MS-I and -II

The junior ROTC product may substitute four to eight hours of electives from institutional courses of particular interest and value to the military service (see attached list). Four hours for placement credit for MS-I and eight hours for placement credit for MS-I and -II.

The following criteria must be met by all students in order to minor in Military Science:

- (1) Acceptance into the Advanced Course.
- (2) A cumulative grade-point average of 2.3 or higher.
- (3) A grade-point average of 2.5 or better in his major field of study or area of concentration.
- (4) A grade-point average of 3.0 or better in Military Science.

The above grade-point standards may be waived, providing the cadet has a cumulative grade-point average of 2.25 or better, with the approval of a board consisting of the Professor of Military Science, the Dean of Undergraduate Programs, and an MS-IV cadet who has the rank of major or above.

Course Options for Students Minorng in Military Science

School of Applied Sciences & Technology:
IE 317

School of Business and Economics:

Econ 201	BA 301	BA 410
Acct 281	Econ 342	
Acct 282	BA 364	

School of Education:

Psy 589	LS 523	Ed 599
Psy 390	Ed 547	Ed 580
Psy 390	Ed 547	

School of Humanities:

Spch 110	Phil 303	Spch 382
Rad 155	Phil 306	Spch 385
Spch 200	Spch 370	

School of Sciences and Mathematics:

Math 123	Math 353
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School of Social Sciences:

Soc 305	Hist 454
Geog 390	Soc 550

*Course Options for Junior ROTC Products***School of Business and Economics:**

Econ 101	Econ 201
BA 200	Econ 302

School of Education:

Psy 154

School of Humanities:

Jour 101	Rad 155	Jour 201
Spch 110	Spch 200	

School of Sciences and Mathematics:

Geos 100	Math 141	Math 175
Chem 111	Math 152	Phys 201

School of Social Sciences:

Soc 101	PS 141	PS 242
Hist 131	Geog 211	PS 310
Hist 132	Hist 241	

Credit

The Basic Course is presented in two classroom hours and one Leadership Laboratory hour per week for both Military Science I (freshmen) and Military Science II (sophomores), and two hours of credit are awarded for successful completion of each semester, or a total of eight credit hours for the Basic Course.

The Advanced Course is presented in two classroom hours and two leadership laboratory hours per week for both Military Science III and IV. Two hours of credit are awarded for successful completion of each semester, or a total of eight credit hours for the Advanced Course.

Scholarship Program

The U.S. Army Scholarship Program provides financial assistance to highly qualified, highly motivated young men who are

in the ROTC program (two-year program cadets are also eligible for scholarships), and who are seriously considering careers as Army Officers. The Army Scholarship pays for tuition, textbooks, laboratory fees, and other purely educational expenses. In addition, the student receives a tax-free subsistence allowance of \$100 per month for the duration of the scholarship except for the period of the summer vacation.

Scholarships may be awarded for either one, two, three, or four years. Four-year scholarships are open to all high school seniors, while the one, two and three-year scholarships are for all others enrolled in the Military Science course of instruction. Selections are made during the preceding school year, submitted to Headquarters, First U.S. Army, by February, final selections are made by April 1.

For additional information concerning scholarships, contact the Adjutant of the Military Science Department.

Medical Examinations

Section 44 of the National Defense Act requires that entering cadets be "physically fit to perform military duty, or will be so upon arrival at military age." In meeting this requirement of the law, the medical examination required by the University of a student entering Morehead State University for the first time will be used as the basis for physical classification for Military Science.

Physical examination for students for enrollment in the Advanced Course will be arranged for by the Professor of Military Science at a military facility or by a contract physician at no cost to the students.

DESCRIPTION OF COURSES

NOTE: (3-2-4) following course title means three hours class, two hours laboratory, four hours credit. Roman numerals I, II, III following the credit allowance indicate the semester in which the course is normally scheduled: I—fall; II—spring; III—summer.

Military Science 101. Introduction to Military Science. (2-1-2); I.

The United States Defense Establishment; history, organization and mission of ROTC; appropriate military subjects.

Military Science 102. Introduction to Military Science. (2-1-2); II.

Universal military training laws; Selective Service laws and regulations; orientation to the Military Science Advanced Course; map reading; appropriate military subjects.

Military Science 201. Basic Military Science. (2-1-2); II.

American military history (tactics and strategy); Military Science Advanced Course Qualification Examination.

Military Science 202. Basic Military Science (2-1-2); I.

Basic tactics and operations; appropriate military subjects.

Military Science 301. Advanced Military Science. (2-2-2); II.***

Military teaching principles; leadership. **

Military Science 302. Advanced Military Science. (2-2-2); II.***

Small unit tactics; communications; internal defense/development; branches of the Army. (This semester is a prerequisite for Advanced Summer Camp.) **

Advanced Summer Camp. Six weeks between junior (MS—III) and senior (MS—IV) years of Military Science. May be deferred for cause and with permission of the PMS until after graduation or after the senior year of Military Science.

Military Science 401. Advanced Military Science. (2-2-2); I.***

Army administration; military law; Army Readiness Program; world change and military implications; command and staff; operations; intelligence; military teamwork; obligations and responsibilities of an officer.

Military Science 402. Advanced Military Science. (2-2-2); II. (Coordinate with professional semester)***

Internal defense/development; logistics.

**Pre-camp orientation may be taught as substitution for Leadership Laboratory during inclement weather and during prescribed weekend field training exercises (one per semester). Advanced Course only.

***An academic elective (three credit hours) selected from upper division courses (except speech may be a lower division course) must be taken by each Advanced Course student each year, either semester. Course selected must be in English, foreign language, speech, sciences, mathematics, psychology, geography, history, economics, accounting, journalism, industrial arts, radio-television-communications, management, law (business), or political science, and must be approved by the PMS. For students acquiring a teaching certificate, the professional semester must be coordinated with MS 301 or MS 402 (MS 402 is preferable). See the Professor of Military Science to arrange this.

GENERAL NOTES

One semester is not a prerequisite to the next. For instance, if a student enters at mid-year, he would take MS 102 first, then MS 101; then MS 202, MS 201, etc.

Under unusual or extenuating circumstances, military science courses can be taken simultaneously, with approval of the PMS. For example, the following combinations are permitted: MS I and II; MS II and III; MS III and IV.

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Nominations
 Faculty Organization
 Administrative Council
 Academic Coordinating Council
 Undergraduate Curriculum and Instruction
 Graduate Council
 Teacher Education
 Honors Program
 Student Life
 Library
 Athletics
 Admissions
 Faculty Research
 Public Affairs
 Radiation Safety
 University In-Service

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